

TYPE	DATE	TIME		AGENCY	DESCRIPTION
Area Forecast Discussion	3/25/2016	2130	PDT	San Diego	Models continue to show a broad upper low moving from the Gulf of Alaska into the Pacific northwest Sunday then to the Great Basin Monday. Winds will strengthen south of the low Monday/Monday night over our mountains/deserts due to the tightening height/temperature gradients aloft with gust potential rather high possibly 70mph locally on the desert mountain slopes and through San Gorgonio Pass.
Area Forecast Discussion	3/26/2016	0322	PDT	San Diego	For Monday a cold low-pressure system will move southward through the western states. This will bring much stronger onshore flow across southern California with strong gusty west winds developing in the mountains and deserts.
Area Forecast Discussion	3/26/2016	0831	PDT	San Diego	An approaching low-pressure system from the north will bring increasing onshore flow and a deepening marine layer on Monday....Strong westerly winds will develop over the coastal water mountains and into the deserts late Monday into Tuesday.
Urgent Weather Message	3/26/2016	1130	PDT	San Diego	<b>High Wind Watch</b> for the mountains and deserts Monday and Monday night -San Diego County Mountains; Coachella Valley; San Diego County Deserts - West winds 20 to 35mph with gusts 55 to 60mph except 40 to 50mph with gusts 70 to 80 mph on the desert slopes -
Area Forecast Discussion	3/26/2016	1307	PDT	San Diego	The Eddy will strengthen Sunday night as onshore gradients ramp further ahead of the low-pressure area dropping south over Oregon....But the main concern will turn to wind later Monday...the surface gradient...coupled with increasing winds aloft should push wind gusts on the ridges and desert slopes above 60mph.
Urgent Weather Message	3/26/2016	2102	PDT	San Diego	<b>High Wind Watch</b> continues for the mountains and deserts Monday and Monday night -San Diego County Mountains; Coachella Valley; San Diego County Deserts - West winds 20 to 35mph with gusts 55 to 60mph except 40 to 50mph with gusts 70 to 80 mph on the desert slopes -

TYPE	DATE	TIME		AGENCY	DESCRIPTION
Area Forecast Discussion	3/26/2016	2103	PDT	San Diego	The Eddy will strengthen Sunday night as onshore gradients ramp further ahead of the low-pressure area dropping south over Oregon....But the main concern will turn to wind later Monday...the surface gradient...coupled with increasing winds aloft should push wind gusts on the ridges and desert slopes above 60mph.
Urgent Weather Message	3/27/2016	0329	PDT	San Diego	<b>High Wind Warning</b> in effect for noon Monday to 3am Tuesday -San Diego County Mountains West winds 25 to 35mph with gusts 55 mph strongest gusts 75 mph Monday evening - <b>Wind Advisory</b> in effect from noon to 10pm Monday. Coachella Valley; San Diego County Deserts. West winds 20 to 30mph with gusts to 45mph strongest gusts to 55mph Monday evening
Area Forecast Discussion	3/27/2016	0400	PDT	San Diego	A coastal Eddy will bring additional deepening of the Marine layer....Onshore flow will continue to strengthen on Monday with periods of strong gusty west winds for the mountains and deserts for Monday and Monday night.
Area Forecast Discussion	3/27/2016	0842	PDT	San Diego	A low-pressure trough over the Pacific northwest this morning will dive south over north California Monday morning and then South east across Nevada Monday night. The broad circulation around this system will cause significant height falls...The marine layer will respond by deepening significantly to the coastal slopes as westerly winds increase.
Urgent Weather Message	3/27/2016	1304	PDT	San Diego	<b>High Wind Warning</b> remains in effect for noon Monday to 3am Tuesday -San Diego County Mountains West winds 25 to 40mph with gusts 50 to 60 mph strongest gusts 75 to 85 mph Monday evening - <b>Wind Advisory</b> remains in effect from noon to 10pm Monday. Coachella Valley; San Diego County Deserts. West winds 20 to 30mph with gusts to 45mph strongest gusts to 55mph Monday evening

TYPE	DATE	TIME		AGENCY	DESCRIPTION
Area Forecast Discussion	3/27/2016	1320	PDT	San Diego	Strong westerly winds on Monday afternoon and evening. A low-pressure trough over the Pacific northwest this morning will dive south over north California Monday morning and then South east across Nevada Monday night. The broad circulation around this system will cause significant height falls...The marine layer will respond by deepening significantly to the coastal slopes as westerly winds increase.
Area Forecast Discussion	3/27/2016	1830	MST	Phoenix	ON MONDAY...A STRONG WEATHER SYSTEM WILL BRING WINDY CONDITIONS WITH CHANCES FOR BLOWING DUST AND A PERIOD OF MUCH COOLER TEMPERATURES. A LARGE NEGATIVE HEIGHT ANOMALY CONTINUES TO DEEPEN ACROSS THE PACIFIC NORTHWEST WITH STRONG UPSTREAM MERIDIONAL JET ENERGY....AND FAIRLY ROBUST SFC PRESSURE FALLS HAVE BEEN MEASURED INTO INLAND CALIFORNIA....
Urgent Weather Message	3/27/2016	1847	MST	Phoenix	<b>Wind Advisory</b> remains in effect from 1pm to 10pm Monday -Brawley, Calexico, El Centro, Imperial; Southwest winds around 30mph with frequent gusts to45mph.
Area Forecast Discussion	3/27/2016	2137	PDT	San Diego	Evening update...onshore pressure gradients are just beginning to pick up attm in advance of a Cold upper level trough which will drop south Monday from the Pacific northwest....Western portions of the mountains the bigger story will be the potential for very strong winds developing Monday afternoon likely peaking Monday night into Tuesday morning....very strong winds just off the surface...
Urgent Weather Message	3/27/2016	2151	PDT	San Diego	<b>High Wind Warning</b> remains in effect for noon Monday to 3am Tuesday - Coachella Valley; San Diego County Deserts. West winds 20 to 30mph with gusts to 50mph strongest gusts to 75mph Monday evening near the desert foothills and slopes. Visibility could reduce to near zero due to <b>blowing sand and dust</b>

TYPE	DATE	TIME		AGENCY	DESCRIPTION
Urgent Weather Message	3/28/2016	0239	PDT	San Diego	<b>High Wind Warning</b> remains in effect from noon today to 3am Tuesday - San Diego County Mountains; Coachella Valley; San Diego County Deserts. West winds 30 to 40mph with gusts to 55mph strongest gusts to 75mph for this evening through late tonight. Visibility could reduce to near zero due to <b>blowing sand and dust</b>
Urgent Weather Message	3/28/2016	0306	MST	Phoenix	<b>Wind Advisory</b> remains in effect from 1pm to 10pm Monday -Brawley, Calexico, El Centro, Imperial; Southwest winds around 30mph with frequent gusts to 45mph.
Area Forecast Discussion	3/28/2016	0320	MST	Phoenix	A STRONG WEATHER SYSTEM WILL BRING WINDY CONDITIONS THIS AFTERNOON AND EVENING WITH BLOWING DUST AT TIMES. THE WEATHER SYSTEM OF INTEREST FOR OUR FORECAST AREA IS COVERING MUCH OF THE WESTERN CONUS EARLY THIS MORNING. THE ASSOCIATED COLD FRONT HAS REACHED SOUTHERN NEVADA AND PORTIONS OF SOUTHERN CALIFORNIA AS OF THIS WRITING. THE SYSTEM WILL CONTINUE TO ADVANCE SOUTHEASTWARD AS AN UPSTREAM RIDGE AMPLIFIES IN RESPONSE TO DEEPENING TROUGH OVER THE NORTH-CENTRAL PACIFIC. THE COLD FRONT WILL MOVE ACROSS SOUTHEAST CALIFORNIA THIS AFTERNOON...ACROSS WESTERN AND CENTRAL ARIZONA TONIGHT...AND REACH THE NEW MEXICO BORDER BY MIDDAY TUESDAY. THE MAIN CONCERN FOR TODAY IS THE WIND THIS AFTERNOON AND EVENING. AS IS OFTEN THE CASE...STRONGEST WINDS OVER OUR FORECAST AREA WILL BE SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA AND AN ADVISORY REMAINS IN EFFECT THERE...LESS WIND OVER SOUTH-CENTRAL ARIZONA. THE STRONG WINDS WILL OF COURSE KICK UP THE DUST.
Area Forecast Discussion	3/28/2016	0340	PDT	San Diego	A cold low-pressure system over the Pacific northwest will move into the Great Basin and southwest states for Tuesday and Wednesday. This will bring much strong onshore flow across southern California today and tonight.
Area Forecast Discussion	3/28/2016	0510	MST	Phoenix	Updated Aviation and Fire Weather Discussion

TYPE	DATE	TIME		AGENCY	DESCRIPTION
Area Forecast Discussion	3/28/2016	0901	MST	Phoenix	A PRE-FRONTAL REGIME CHARACTERIZES THE CURRENT SETUP ACROSS THE DESERT SOUTHWEST.
Area Forecast Discussion	3/28/2016	0959	PDT	San Diego	At 930am a broad trough was digging down the west coast. WV imagery clearly indicated a strong upper level jet nosing into northern CA over Southern CA satellite imagery showed standing wave clouds over and east of the mountains indicative of gusty winds. Surface winds have begun to increase with gusts in the 25-40 mph range over the deserts and 40-55 mph range along the desert mountain slopes this morning.
Urgent Weather Message	3/28/2016	1350	PDT	San Diego	<b>High Wind Warning</b> remains in effect until 3am Tuesday - San Diego County Mountains; Coachella Valley; San Diego County Deserts. West winds 30 to 45mph with gusts to 55mph strongest gusts to 70 to 80mph for this evening through late tonight. Visibility could reduce to near zero due to <b>blowing sand and dust</b>
Area Forecast Discussion	3/28/2016	1401	PDT	San Diego	At 200pm a broad trough was digging down the west coast...strong upper level jet nosing into Central CA over Southern CA...Surface winds continue to increase with gusts in the 35 to 45mph range over the deserts and 45 to 60mph range along the desert mountain slopes early this afternoon.  This evening into Wednesday...winds will continue to increase over the desert mountain slopes and deserts. The strong upper jet currently over Central CA will arrive in Southern CA this evening. In response a strong surface low will develop over southern Nevada strengthening...gradients...when combined with developing inversion just above mountain top level and arrival... jet ... very strong mountain wave activity...develop this evening. Where the wave activity surfaces along the desert mountain slopes and over the deserts gust of 60 to 80mph are possible this evening and overnight.

TYPE	DATE	TIME		AGENCY	DESCRIPTION
Area Forecast Discussion	3/28/2016	1401	MST	Phoenix	CYCLONIC FLOW PREVAILS ACROSS THE WESTERN CONUS WITH A WELL-DEFINED VORT MAX ACROSS NORTHERN CA SPAWNING A LOW PRESSURE SYSTEM ACROSS NV. A PRE-FRONTAL REGIME CHARACTERIZES THE CURRENT SETUP ACROSS THE DESERT SOUTHWEST. WINDY CONDITIONS WITH GUSTS TO 35 MPH HAVE DEVELOPED ACROSS SOUTHEASTERN CA WITH SOMEWHAT WEAKER WINDS ACROSS SOUTH-CENTRAL AZ. LATEST OBSERVATIONS SUGGEST THERE ARE AREAS OF BLOWING DUST WITH MODERATELY REDUCED VSBYS...GENERALLY BETWEEN 5SM AND 10SM.
Urgent Weather Message	3/28/2016	1402	MST	Phoenix	<b>Wind Advisory</b> remains in effect until 10pm this evening -Brawley, Calexico, El Centro, Imperial; Southwest winds around 30mph with frequent gusts to45mph.
Public Information Statement	3/28/2016	1544	PDT	San Diego	<b>Peak Wind Gusts</b> - Coachella Valley; Palm Desert 42 mph; Coachella 41 mph; San Diego County Deserts; Ocotillo Wells 53 mph; In Ko Pah 47 mph; Borrego Springs 44 mph; San Diego County Mountains; Boulevard West 51 mph; Volcan Mountains 73 mph
Urgent Weather Message	3/28/2016	1612	MST	Phoenix	<b>Blowing Dust Advisory</b> - in effect until 7pm this evening. <b>Wind Advisory</b> remains in effect until 10pm this evening -Brawley, Calexico, El Centro, Imperial; Southwest winds around 30mph with frequent gusts to45mph.

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AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
930 PM PDT FRI MAR 25 2016

.SYNOPSIS... A DEVELOPING COASTAL EDDY AND INCREASING ONSHORE FLOW WILL BRING SLIGHT COOLING ACROSS THE REGION THIS WEEKEND...AND A RETURN OF HIGHER HUMIDITY AND MARINE CLOUDS AND LOCAL FOG TO THE COASTAL STRIP. BY MONDAY...STRONG AND GUSTY WESTERLY WINDS WILL BE DEVELOPING OVER THE MOUNTAINS AND DESERTS AHEAD OF A DEVELOPING LOW PRESSURE SYSTEM THAT WILL CONTROL THE WEATHER ACROSS THE REGION FOR THE REMAINDER OF THE WEEK. THIS SYSTEM WILL BRING MUCH COOLER DAYS...AND A CHANCE OF RAIN AND SNOW SHOWERS.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

THE EDDY HAD DEVELOPED AS SOUTHERLY WINDS WERE OCCURRING ALONG THE COAST. STRATUS WAS FORMING AND SHOULD SPREAD ALONG MOST COASTAL AREAS OVERNIGHT AND SPREAD INTO SOME OF THE VALLEYS AS THE MARINE INVERSION LIFTS TO AROUND 1500 FT MSL OVERNIGHT. A WEAK SHORTWAVE WAS MOVING QUICKLY SE THROUGH SOUTHERN CALIFORNIA...AND ONCE THAT PASSES...WE SHOULD GET SOME NORTH FLOW DEVELOPING IN THE 850-700 MB LAYER...AND SOME OF THAT WILL EVEN OCCUR NEAR THE SURFACE AS OFFSHORE FLOW DEVELOPS FROM A SURFACE HIGH OVER NORTHERN NEVADA. WIND GUSTS SHOULD STAY BELOW ADVISORY CRITERIA ALMOST EVERYWHERE...EXCEPT A FEW SPOTS THROUGH/BELOW CANYONS AND PASSES COULD HAVE A GUST AROUND 50 MPH SATURDAY MORNING. THE OFFSHORE FLOW WILL REMOVE WHATEVER MARINE LAYER DEVELOPS OVERNIGHT IN THE INLAND EMPIRE...BUT IT WILL NOT BE STRONG ENOUGH TO WIPE OUT THE MARINE LAYER CLOSE TO THE COAST...SO STRATUS WILL LIKELY RETURN TO THE COAST SATURDAY NIGHT. TEMPERATURES WILL BE A LITTLE LOWER SATURDAY BOTH AT THE COAST...DUE TO THE MARINE LAYER AT THE COAST...AND INLAND AREAS...DUE TO TEMPS ALOFT LOWERING SLIGHTLY. HOWEVER...TEMPS WILL STILL AVERAGE ABOUT 5 DEG F ABOVE NORMAL IN MOST AREAS AWAY FROM THE COAST THIS WEEKEND.

MODELS CONTINUE TO SHOW A BROAD UPPER LOW MOVING FROM THE GULF OF ALASKA INTO THE PACIFIC NORTHWEST SUNDAY...THEN TO THE GREAT BASIN MONDAY. WINDS WILL STRENGTHEN SOUTH OF THE LOW MONDAY/MONDAY NIGHT OVER OUR MOUNTAINS/DESERTS DUE TO THE TIGHTENING HEIGHT/TEMPERATURE GRADIENTS ALOFT...WITH GUST POTENTIAL RATHER HIGH...POSSIBLY 70 MPH LOCALLY ON THE DESERT MOUNTAIN SLOPES AND THROUGH SAN GORGONIO PASS. WINDS COULD CONTINUE INTO TUESDAY...BUT AFTER THAT THE GRADIENTS WILL WEAKEN AS THE UPPER LOW BECOMES MORE BROAD WITH WEAKER GRADIENTS. MOISTURE WILL BE SOMEWHAT LIMITED DUE TO THE NORTHERLY ORIGIN OF THE LOW...AND THE INLAND TRAJECTORY OF THE CENTER OF THE

## March 28, 2016 Exceptional Event, Imperial County

## Appendix A Supplemental

LOW...BUT WE COULD HAVE SOME SHOWERS MONDAY NIGHT THROUGH THURSDAY OR FRIDAY. TEMPERATURES WILL BE BELOW NORMAL IN MOST AREAS FROM MONDAY THROUGH FRIDAY...ESPECIALLY INLAND DUE TO THE COOL PROFILE ALOFT. SNOW SHOWERS WILL BE POSSIBLE IN SOME MOUNTAIN AREAS AT TIMES MONDAY NIGHT THROUGH FRIDAY...WITH SNOW LEVELS MOST LIKELY IN THE 5000-6000 FT MSL RANGE.

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.AVIATION...

260300Z...COASTS/VALLEYS...A COASTAL EDDY WILL DEVELOP AFTER 26/0600Z. THIS FEATURE WILL ACT TO DEEPEN THE MARINE LAYER AND PUSH THE CLOUDS INLAND 10 TO 15 MILES FROM THE COAST. BASES WILL RANGE FROM AROUND 900 TO 1100 FT MSL AND TOPS RISING UP TO 1500 FT MSL. DECREASED VISIBILITY IS LIKELY ON THE COASTAL SLOPES WHERE THE CLOUDS INTERSECT TERRAIN. THIS STRATUS DECK SHOULD ERODE TO THE COAST AFT 26/1500Z...LEAVING BEHIND MOSTLY CLEAR SKIES AND P6SM VIS THROUGH SATURDAY AFTERNOON.

MTNS/DESERTS...WEAK LLWS NEAR COASTAL MTN SLOPES AND THOUGH MTN PASSES SAT MORNING...MAINLY NEAR KONT. OTHERWISE...FEW HIGH CLOUDS AND P6SM VIS THROUGH SAT MORNING.

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.MARINE...

800 PM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL DISTURBANCE MOVING ACROSS THE REGION WILL CREATE GUSTY WESTERLY WINDS TO 30 KT LATE MON THROUGH LATE TUE...COMBINED SEAS TO 10 FEET IN THE OUTER WATERS...AND PERIODS OF SHOWERS LATE MONDAY THROUGH THE END OF THE NEXT WORK WEEK.

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.SKYWARN...

SKYWARN ACTIVATION WILL NOT BE NEEDED ON SATURDAY.

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.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

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PUBLIC...MAXWELL

AVIATION/MARINE...JT



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AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
322 AM PDT SAT MAR 26 2016

.SYNOPSIS...

THROUGH MONDAY...THE RETURN AND DEEPENING OF THE MARINE LAYER WILL BE INTERRUPTED BRIEFLY TODAY WITH A PERIOD OF OFFSHORE FLOW WITH GUSTY NORTHEAST WINDS NEAR THE COASTAL FOOTHILLS...STRONGEST

BELOW THE CAJON PASS. A LOW PRESSURE SYSTEM MOVING SOUTHWARD INTO THE SOUTHWEST STATES WILL BRING MUCH STRONGER ONSHORE FLOW FOR MONDAY INTO TUESDAY WITH STRONG GUSTY WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR MONDAY AFTERNOON INTO EARLY TUESDAY WITH STRONGEST GUSTS TO AROUND 70 MPH. THAT LOW PRESSURE SYSTEM WILL BRING COOLING AND SMALL CHANCES FOR MAINLY LIGHT SHOWERS FOR MONDAY NIGHT INTO THURSDAY. WARMER AND DRY TOWARDS THE END OF THE WEEK AS THE LOW PRESSURE SYSTEM WEAKENS AND MOVES EAST.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH MONDAY)...

A COASTAL EDDY HAS BROUGHT A RETURN OF COASTAL STRATUS OVERNIGHT WITH STRATUS ALONG THE BAJA COAST EXTENDING NORTHWARD INTO SOUTHERN LOS ANGELES COUNTY AND INLAND INTO PORTIONS OF THE WESTERN VALLEYS. LOWER LEVEL FLOW WILL GO BRIEFLY OFFSHORE TODAY WITH STRONGEST GUSTY NORTH TO NORTHEAST WINDS BELOW THE CAJON PASS AND IN THE COACHELLA VALLEY NORTH AND EAST OF INTERSTATE 10. A COASTAL EDDY WILL REDEVELOP TONIGHT WITH SIMILAR STRATUS COVERAGE FOR TONIGHT INTO SUNDAY MORNING. GREATER DEEPENING OF THE MARINE LAYER IS EXPECTED FOR SUNDAY NIGHT INTO MONDAY MORNING. SLOW COOLING OF HIGH TEMPERATURES WILL SPREAD INLAND DURING THE WEEKEND WITH GREATER COOLING FOR MONDAY. FOR MONDAY...A COLD LOW PRESSURE SYSTEM WILL MOVE SOUTHWARD THROUGH THE WESTERN STATES. THIS WILL BRING MUCH STRONGER ONSHORE FLOW ACROSS SOUTHERN CALIFORNIA WITH STRONG GUSTY WEST WINDS DEVELOPING IN THE MOUNTAINS AND DESERTS.

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.LONG TERM (MONDAY NIGHT THROUGH FRIDAY)...

STRONG GUSTY WEST WINDS WILL CONTINUE INTO EARLY TUESDAY FOR THE MOUNTAINS AND DESERTS WITH STRONGEST GUSTS TO AROUND 70 MPH. THE LOW PRESSURE SYSTEM WILL BRING COOLING WITH TUESDAY AND WEDNESDAY THE COOLEST DAYS WITH HIGH TEMPERATURES RANGING FROM A FEW DEGREES BELOW AVERAGE NEAR THE COAST TO 5 TO 10 DEGREES BELOW AVERAGE FOR

## March 28, 2016 Exceptional Event, Imperial County

## Appendix A Supplemental

INLAND AREAS. THE LOW PRESSURE SYSTEM WILL ALSO BRING SMALL CHANCES FOR LIGHT SHOWERS ALONG AND WEST OF THE MOUNTAINS FOR MONDAY NIGHT INTO THURSDAY. TOWARD THE END OF THE WEEK...THE LOW PRESSURE SYSTEM WILL WEAKEN AND MOVE EAST WITH WARMER AND DRY WEATHER FOR SOUTHERN CALIFORNIA.

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.AVIATION...

260925Z...COASTS/VALLEYS...STRATUS WITH BASES NEAR 1500 FT MSL WILL SPREAD NORTH ALONG THE COAST AND 10-15 MI INLAND THROUGH 12Z. STRATUS CLEARING BY 16Z. POCKETS OF GUSTY NORTH-NORTHEAST WINDS DEVELOPING BELOW THE PASSES AND CANYONS BY 18Z. LLWS AND MOD UDDFS POSSIBLE NEAR THE FOOTHILLS THROUGH THIS AFTERNOON. WINDS WEAKENING THIS EVENING. STRATUS WITH BASES 1000-1500 FT MSL RETURNING TO THE COASTAL AIRPORTS AFTER 27/03Z...SPREADING 10-15 MI INLAND OVERNIGHT.

MOUNTAINS/DESERTS...MOSTLY CLEAR WITH UNRESTRICTED VIS THROUGH MON MORNING.

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.MARINE...

230 AM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL TROUGH MOVING ACROSS THE REGION WILL BRING PERIODS OF GUSTY WEST WINDS 25 TO 30 KT...COMBINED SEAS TO 10 FEET IN THE OUTER COASTAL WATERS...AND PERIODS OF SHOWERS LATE MONDAY THROUGH WEDNESDAY.

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.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

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.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

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PUBLIC...17

AVIATION/MARINE...SS

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AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
831 AM PDT SAT MAR 26 2016

.SYNOPSIS... FAIR AND MILD THROUGH SUNDAY WITH AREAS OF NIGHT AND MORNING LOW CLOUDS AND FOG NEAR THE COAST. AN APPROACHING LOW PRESSURE SYSTEM FROM THE NORTH WILL BRING INCREASING ONSHORE FLOW AND A DEEPENING MARINE LAYER ON MONDAY. SOME DRIZZLE OR LIGHT SHOWERS MAY LEAK FROM THE DEEPENING MOIST LAYER ON MONDAY...WITH A BETTER CHANCE OF SCATTERED...LIGHT SHOWERS ALONG AND WEST OF THE MOUNTAINS THROUGH MIDWEEK. STRONG WESTERLY WINDS WILL DEVELOP OVER THE COASTAL WATERS...MOUNTAINS...AND INTO THE DESERTS LATE MONDAY INTO TUESDAY. MUCH COOLER AFTER SUNDAY WITH HIGHS IN THE 50S AND 60S...EXCEPT AT HIGHER ELEVATIONS AND LOWER DESERT AREAS. WARMER BY THE END OF NEXT WEEK.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

SKIES WERE MOSTLY CLEAR ACROSS THE CWA THIS MORNING...EXCEPT OVER WESTERN SAN DIEGO COUNTY WHERE MARINE CLOUDS WERE THINNING...BUT EXTENDED INLAND UP TO 25 MILES OR SO. THE 12Z MIRAMAR SOUNDING HAD A 5 DEGREE C INVERSION BASED NEAR 2200 FT MSL WITH SOUTH WINDS 5-10 KTS BELOW TO THE SFC. PW HAD INCREASED TO JUST OVER ONE-HALF INCH. THE SFC PRESSURE GRADIENT WAS ONSHORE 3 MBS KSAN TO THE LOWER DESERTS...BUT OFFSHORE 6 MBS FROM SW NV. AS OF 8 AM PDT...THERE WAS LITTLE NE WIND REPORTED...EXCEPT IN THE SANTA ANA MTS...WHERE PLEASANTS PEAK HAD A GUST TO 29 MPH. A WEST WIND GUST TO 24 MPH WAS ALSO REPORTED THROUGH THE I-8 CORRIDOR IN FAR SE SAN DIEGO COUNTY INTO THE DESERT.

A COASTAL EDDY WAS RESPONSIBLE FOR THE LOW CLOUD DEVELOPMENT AND RETURN OF LOW-LEVEL MARINE AIR TO COASTAL SAN DIEGO COUNTY.

ELSEWHERE...SKIES WERE CLEAR. AFTER THE LOWER CLOUDS BURN AWAY... IT WILL BE MOSTLY SUNNY AND MILD TO WARM AGAIN TODAY. BELOW THE CAJON PASS AND IN THE SANTA ANA MTS...EXPECT SOME GUSTY NE WINDS TO SURFACE. THIS WILL KEEP RH VERY LOW IN THESE AREAS AND ALLOW TEMPERATURES TO MOVE BACK INTO THE 80S THIS AFTERNOON. CLOSER TO THE COAST...THE MARINE LAYER WILL KEEP AFTERNOON TEMPS IN THE 60S.

FOR SUNDAY...THE MARINE CLOUDS RETURN AND ARE EXPECTED TO SPREAD INTO ORANGE COUNTY. AFTER BURN-OFF SKIES SHOULD BE FAIR...AND IT WILL BE SLIGHTLY COOLER ALL AREAS AS ONSHORE FLOW BEGINS TO INCREASE AND HUMIDITY RISES FARTHER INLAND.

THE EDDY WILL STRENGTHEN SUN NIGHT AS ONSHORE GRADIENTS RAMP FURTHER

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AHEAD OF THE LOW PRESSURE AREA DROPPING SOUTH OVER OREGON. THIS WILL SPREAD THE MARINE CLOUDS/FOG WELL INLAND BY MON MORNING. THE DEEPENING MOIST LAYER MAY LEAK SOME DRIZZLE AT TIMES...AND AS IT CLIMBS ONTO THE COASTAL SLOPES LATER IN THE DAY...A FEW LIGHT RAIN SHOWERS. BUT THE MAIN CONCERN WILL TURN TO WIND LATER MONDAY INTO EARLY TUESDAY. DEPENDING ON THE MODEL...THE SURFACE GRADIENT FROM KSAN TO KLAS COULD BE ANYWHERE FROM 16 TO 20 MBS BY MON AFTERNOON. THIS COUPLED WITH INCREASING WINDS ALOFT SHOULD PUSH WIND GUSTS ON THE RIDGES AND DESERT SLOPES ABOVE 60 MPH. A HIGH WIND WATCH WILL LIKELY BE NEEDED IF THE LATEST GUIDANCE STAYS ON TRACK.

THE UPPER LOW TRACKS OVER NV THROUGH TUE...LEAVING SOME TROUGHING BACK OVER THE SW THROUGH THU. THIS PERSISTENT TROUGH WITH THE COOL AIR ALOFT AND RESIDUAL MOISTURE KEEPS THE THREAT OF LIGHT PRECIP OVER THE REGION UNTIL THE TROUGH AXIS DROPS SOUTH THU NIGHT.

OVERALL...PRECIP AMOUNTS LOOK LIGHT. EVEN AFTER SEVERAL DAYS OF SCATTERED SHOWERS...TOTAL PRECIP AMOUNTS ARE LIKELY TO REMAIN UNDER ONE INCH IN THE WETTEST SPOTS. SOME AREAS...ESPECIALLY THE DESERTS...MAY NOT SEE ANY RAIN AT ALL.

DRY AND WARMER FRI THROUGH NEXT WEEKEND AS WE MOVE INTO THE MONTH OF APRIL.

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.AVIATION...

261508Z...COAST/VALLEYS...PATCHY STRATUS 25-30 SM INLAND...MAINLY IN SAN DIEGO COUNTY...WITH BASES 1700-2000 FT MSL AND TOPS AROUND 2000-2100 FT MSL...SHOULD MOSTLY CLEAR OUT THROUGH 1700 UTC WITH MOSTLY SKC CONDITIONS THEN PREVAILING THROUGH 27/0300 UTC...ALTHOUGH THERE IS A CHANCE THAT SOME LOCAL SCT-BKN CLOUDS AROUND 2000 FT MSL COULD STICK AROUND NEAR THE COAST THROUGH THE AFTERNOON. N TO NE WIND GUSTS OF 25-35 KT THROUGH/BELOW PASSES/CANYONS AND INTO THE COASTAL FOOTHILLS COULD CREATE MOD-STG UDDFS/LLWS OVER AND W OR SW OF THE MTN RIDGES THROUGH 2100 UTC...WITH WINDS WEAKENING BY 27/0000 UTC. CHANCE THAT KONT COULD BE IMPACTED WITH NE WIND GUSTS REACHING 20-30 KT DURING THE 1800-2100 UTC TIME-FRAME...BUT CONFIDENCE IS LOW. 27/0300-1500 UTC...STRATUS RE-DEVELOPING 15-20 SM INLAND WITH BASES 800-1200 FT MSL...TOPS 1200-1500 FT MSL...AND LOCAL VIS 2-5 SM.

MTNS/DESERTS...MOSTLY SKC WITH UNRESTRICTED VIS THROUGH SUNDAY MORNING.

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.MARINE...

808 AM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL BRING STRENGTHENING ONSHORE FLOW EARLY NEXT WEEK. THIS WILL CREATE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED SHORT-PERIOD SEAS REACHING 10 FEET MONDAY AFTERNOON THROUGH

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URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
1130 AM PDT SAT MAR 26 2016

...HIGH WIND WATCH FOR THE MOUNTAINS AND DESERTS MONDAY AND  
MONDAY NIGHT...

.A DEVELOPING STORM SYSTEM OVER THE WEST WILL GENERATE STRONG  
WESTERLY WINDS OVER THE MOUNTAINS AND DESERTS MONDAY AFTERNOON  
THROUGH MONDAY NIGHT. THE WINDS WILL SUBSIDE TUESDAY MORNING.

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SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
SAN GORGONIO PASS NEAR BANNING-  
1130 AM PDT SAT MAR 26 2016

...HIGH WIND WATCH IN EFFECT FROM MONDAY AFTERNOON THROUGH LATE  
MONDAY NIGHT...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND  
WATCH...WHICH IS IN EFFECT FROM MONDAY AFTERNOON THROUGH LATE  
MONDAY NIGHT.

- \* WINDS...WEST 20 TO 35 MPH WITH GUSTS 55 TO 60 MPH...EXCEPT 40  
TO 50 MPH WITH GUSTS 70 TO 80 MPH ON THE DESERTS SLOPES AND  
THROUGH AND BELOW THE SAN GORGONIO PASS.
- \* TIMING...WINDS INCREASING THROUGH THE DAY ON MONDAY...PEAKING  
MONDAY EVENING.
- \* LOCATION...STRONGEST WINDS WILL BE ALONG THE DESERT SLOPES AND  
NEAR THE DESERT FOOTHILLS.
- \* VISIBILITY...REDUCED ACROSS THE DESERTS...LOCALLY TO 1 MILE OR  
LESS AT TIMES IN BLOWING DUST AND SAND.
- \* IMPACTS...DIFFICULT DRIVING CONDITIONS...ESPECIALLY FOR DRIVERS  
IN HIGH PROFILE VEHICLES DUE TO STRONG CROSS WINDS AND LIMITED  
VISIBILITY AT TIMES IN BLOWING DUST AND SAND. STRUCTURAL DAMAGE  
IS POSSIBLE IF THESE WINDS SURFACE IN AND NEAR DESERT  
COMMUNITIES.
- \* OUTLOOK...WINDS SUBSIDING TUESDAY MORNING.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

[March 28, 2016 Exceptional Event, Imperial County](#)[Appendix A Supplemental](#)

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF 58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST FORECASTS.

&&

\$\$

JAD

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077  
FXUS66 KSGX 262008  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
107 PM PDT SAT MAR 26 2016

.SYNOPSIS... FAIR AND MILD THROUGH SUNDAY WITH AREAS OF NIGHT AND MORNING LOW CLOUDS AND FOG WEST OF THE MOUNTAINS. AN APPROACHING LOW PRESSURE SYSTEM FROM THE NORTH WILL BRING INCREASING ONSHORE FLOW AND A DEEPENING MARINE LAYER ON MONDAY. SOME DRIZZLE OR LIGHT SHOWERS MAY LEAK FROM THE DEEPENING MARINE LAYER ON MONDAY...WITH A BETTER CHANCE OF SCATTERED...LIGHT SHOWERS AT TIMES ALONG AND WEST OF THE MOUNTAINS THROUGH MIDWEEK. STRONG WESTERLY WINDS WILL DEVELOP OVER THE COASTAL WATERS...MOUNTAINS...AND INTO THE DESERTS LATE MONDAY INTO TUESDAY. MUCH COOLER AFTER SUNDAY. WARMER BY THE END OF NEXT WEEK.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

SKIES WERE CLEAR ACROSS THE CWA THIS EARLY THIS AFTERNOON. AT NOON PDT...THE SFC PRESSURE GRADIENT WAS ONSHORE 2 MBS KSN TO THE LOWER DESERTS...BUT OFFSHORE 5 MBS FROM SW NV. THE NE WINDS HAD SURFACED BY MID TO LATE MORNING IN OFFSHORE WIND-PRONE AREAS OF THE FOOTHILLS. STRONGEST WERE 15 TO 20 MPH WITH GUSTS 30 TO LOCALLY 40 MPH.

AN EDDY WAS RESPONSIBLE FOR THE LOW CLOUD DEVELOPMENT AND RETURN OF LOW-LEVEL MARINE AIR TO COASTAL SAN DIEGO COUNTY EARLIER TODAY. HOWEVER ELSEWHERE...SKIES WERE CLEAR. GUSTY NE WINDS BELOW THE PASSES AND CANYONS WILL WEAKEN THROUGH THE AFTERNOON/EVENING. THE EDDY WILL STRENGTHEN AND SEND ANOTHER LAYER OF MARINE CLOUDS OVER COASTAL AND WESTERN VALLEY AREAS OVERNIGHT.

FOR SUNDAY...THE MARINE CLOUDS MAY BE MORE UNIFORM ALONG THE COASTAL STRIP...EXTENDING INTO ORANGE COUNTY. AFTER BURN-OFF...SKIES SHOULD BE FAIR...AND IT WILL BE SLIGHTLY COOLER ALL AREAS AS ONSHORE FLOW BEGINS TO INCREASE AND HUMIDITY SPREADS FARTHER INLAND.

THE EDDY WILL STRENGTHEN SUN NIGHT AS ONSHORE GRADIENTS RAMP FURTHER AHEAD OF THE LOW PRESSURE AREA DROPPING SOUTH OVER OREGON. THIS WILL SPREAD THE MARINE CLOUDS/FOG WELL INLAND BY MON MORNING. THE DEEPENING MOIST LAYER MAY LEAK SOME DRIZZLE AT TIMES...AND AS IT CLIMBS ONTO THE COASTAL SLOPES LATER IN THE DAY...A FEW LIGHT RAIN SHOWERS. BUT THE MAIN CONCERN WILL TURN TO WIND LATER MONDAY. DEPENDING ON THE MODEL...THE SURFACE GRADIENT FROM KSN TO KLAS COULD BE ANYWHERE FROM 16 TO ALMOST 20 MBS BY MON AFTERNOON. THIS... COUPLED WITH INCREASING WINDS ALOFT...SHOULD PUSH WIND GUSTS ON THE



~~March 28, 2016 Exceptional Event, Imperial County~~

Appendix A Supplemental

RIDGES AND DESERT SLOPES ABOVE 60 MPH. POSSIBLE MOUNTAIN WAVE ACTIVITY COULD MIX SOME OF THOSE STRONGER WINDS TO THE DESERT FLOOR MON EVENING. A HIGH WIND WATCH HAS BEEN POSTED FOR THE MTS/DESERTS.

THE 12Z ECMWF/GFS SOLUTIONS ARE CLOSE ON THE STRENGTH AND PLACEMENT OF THE UPPER LOW THROUGH 72 HOURS. THE UPPER LOW TRACKS OVER NV THROUGH TUE...THEN THERE IS SOME DIVERGENCE...BUT BOTH MODELS LEAVE SOME TROUGHING BACK OVER THE SW THROUGH THU. THIS PERSISTENT TROUGH WITH THE COOL AIR ALOFT AND RESIDUAL MOISTURE KEEPS THE THREAT OF LIGHT PRECIP OVER THE REGION UNTIL THE TROUGH AXIS DROPS SOUTH THU NIGHT.

OVERALL...PRECIP AMOUNTS LOOK VERY LIGHT. AS A MATTER OF FACT...THE LATEST GFS RUN HAS NONE AT ALL. SO EVEN AFTER SEVERAL DAYS OF POTENTIAL SCATTERED SHOWER ACTIVITY...TOTAL PRECIP AMOUNTS ARE EXPECTED TO REMAIN UNDER ONE INCH IN THE WETTEST SPOTS...WITH TOTALS UNDER ONE-HALF INCH MORE LIKELY MOST AREAS. THE DESERTS MAY NOT SEE ANY RAIN AT ALL.

DRY AND WARMER FRI THROUGH NEXT WEEKEND AS WE MOVE INTO THE MONTH OF APRIL. BEYOND NEXT WEEKEND...CONFIDENCE DWINDLES AS THE MODEL SOLUTIONS BEGIN TO DISPLAY A WIDE DIVERGE.

&&

.AVIATION...

261950Z...COAST/VALLEYS...MOSTLY SKC CONDITIONS PREVAILING THROUGH 27/0300 UTC. N TO NE WIND GUSTS OF 25-35 KT THROUGH/BELOW PASSES/CANYONS AND INTO THE COASTAL FOOTHILLS COULD CREATE MOD-STG UDDFS/LLWS OVER AND W OR SW OF THE MTN RIDGES THROUGH 2100 UTC... WITH WINDS WEAKENING BY 27/0000 UTC. CHANCE THAT KONT COULD BE IMPACTED WITH NE WIND GUSTS REACHING 20-30 KT THROUGH 2100 UTC...BUT CONFIDENCE IS LOW. 27/0300-1500 UTC...STRATUS GRADUALLY RE-DEVELOPING FROM SOUTH TO NORTH 20-30 SM INLAND WITH BASES 1000-1500 FT MSL...TOPS 1500-2000 FT MSL...AND LOCAL VIS 3-5 SM. STRATUS CLEARING 27/1600-1900 UTC.

MTNS/DESERTS...MOSTLY SKC WITH UNRESTRICTED VIS THROUGH SUNDAY MORNING.

&&

.MARINE... 1250 PM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL BRING STRENGTHENING ONSHORE FLOW EARLY NEXT WEEK. THIS WILL CREATE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED SHORT-PERIOD SEAS REACHING 10 FEET MONDAY AFTERNOON THROUGH EARLY WEDNESDAY. THESE CONDITIONS WOULD BE HAZARDOUS TO SMALL CRAFT.

&&

.SKYWARN...

[March 28, 2016 Exceptional Event, Imperial County](#)[Appendix A Supplemental](#)

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

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.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WATCH FROM MONDAY AFTERNOON THROUGH LATE MONDAY NIGHT  
FOR APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-RIVERSIDE  
COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO  
COUNTY DESERTS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS  
NEAR BANNING.

PZ...NONE.

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PUBLIC...JAD

AVIATION/MARINE...HARRISON

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057  
WWUS76 KSGX 270402  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
902 PM PDT SAT MAR 26 2016

...HIGH WIND WATCH CONTINUES FOR THE MOUNTAINS AND DESERTS MONDAY  
AND MONDAY NIGHT...

.A DEVELOPING STORM SYSTEM OVER THE WEST WILL GENERATE STRONG  
WESTERLY WINDS OVER THE MOUNTAINS AND DESERTS MONDAY AFTERNOON  
THROUGH MONDAY NIGHT. THE WINDS WILL SUBSIDE TUESDAY MORNING.

CAZ055-056-058-060>062-065-271300-  
/O.CON.KSGX.HW.A.0004.160328T1900Z-160329T1000Z/  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
SAN GORGONIO PASS NEAR BANNING-  
902 PM PDT SAT MAR 26 2016

...HIGH WIND WATCH REMAINS IN EFFECT FROM MONDAY AFTERNOON  
THROUGH LATE MONDAY NIGHT...

\* WINDS...WEST 20 TO 35 MPH WITH GUSTS 55 TO 60 MPH...EXCEPT 40  
TO 50 MPH WITH GUSTS 70 TO 80 MPH ON THE DESERTS SLOPES AND  
THROUGH AND BELOW THE SAN GORGONIO PASS.

\* TIMING...WINDS INCREASING THROUGH THE DAY ON MONDAY...PEAKING  
MONDAY EVENING.

\* LOCATION...STRONGEST WINDS WILL BE ALONG THE DESERT SLOPES AND  
NEAR THE DESERT FOOTHILLS.

\* VISIBILITY...REDUCED ACROSS THE DESERTS...DOWN TO 1 MILE OR  
LESS AT TIMES IN BLOWING DUST AND SAND.

\* IMPACTS...DIFFICULT DRIVING CONDITIONS...ESPECIALLY FOR  
DRIVERS IN HIGH PROFILE VEHICLES DUE TO STRONG CROSS WINDS AND  
LIMITED VISIBILITY AT TIMES IN BLOWING DUST AND SAND.  
STRUCTURAL DAMAGE IS POSSIBLE IF THESE WINDS SURFACE IN AND  
NEAR DESERT COMMUNITIES.

\* OUTLOOK...WINDS SUBSIDING TUESDAY MORNING.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS  
HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF  
58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST  
FORECASTS.

125  
WWUS76 KSGX 271029  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
329 AM PDT SUN MAR 27 2016

...PERIODS OF STRONG GUSTY WEST WINDS FOR THE MOUNTAINS AND  
DESERTS FOR MONDAY AFTERNOON AND NIGHT...

.A LOW PRESSURE SYSTEM MOVING SOUTHWARD THROUGH THE WESTERN STATES  
WILL BRING STRONGER ONSHORE FLOW FOR SOUTHERN CALIFORNIA WITH  
PERIODS OF STRONG GUSTY WEST WINDS FOR MONDAY AFTERNOON AND  
NIGHT.

CAZ055-056-058-060-065-272130-  
/O.UPG.KSGX.HW.A.0004.160328T1900Z-160329T1000Z/  
/O.NEW.KSGX.HW.W.0005.160328T1900Z-160329T1000Z/  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-  
SAN GORGONIO PASS NEAR BANNING-  
329 AM PDT SUN MAR 27 2016

...HIGH WIND WARNING IN EFFECT FROM NOON MONDAY TO 3 AM PDT  
TUESDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND  
WARNING...WHICH IS IN EFFECT FROM NOON MONDAY TO 3 AM PDT  
TUESDAY. THE HIGH WIND WATCH IS NO LONGER IN EFFECT.

\* WINDS...AREAS OF WEST WINDS 25 TO 35 MPH WITH GUSTS TO 55 MPH.  
STRONGEST GUSTS TO 75 MPH MONDAY EVENING THROUGH LATE MONDAY  
NIGHT.

\* TIMING...WINDS INCREASING ON MONDAY...WITH STRONGEST WINDS FOR  
MONDAY EVENING...SUBSIDING TOWARDS TUESDAY MORNING.

\* LOCATION...STRONGEST WINDS WILL BE NEAR MOUNTAIN RIDGE TOPS AND  
ALONG DESERT MOUNTAIN SLOPES...AND ACROSS THE NORTHERN COACHELLA  
VALLEY BELOW THE SAN GORGONIO PASS.

\* VISIBILITY...LOCALLY REDUCED IN BLOWING SAND AND DUST IN THE  
DESERTS.

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR  
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE  
LIMBS AND OTHER DEBRIS. IN THE DESERTS...AREAS OF BLOWING DUST  
AND SAND COULD LOCALLY REDUCE VISIBILITY AT TIMES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED

**March 28, 2016 Exceptional Event, Imperial County****Appendix A Supplemental**

OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ061-062-272130-  
/O.UPG.KSGX.HW.A.0004.160328T1900Z-160329T1000Z/  
/O.NEW.KSGX.WI.Y.0018.160328T1900Z-160329T0500Z/  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
329 AM PDT SUN MAR 27 2016

...WIND ADVISORY IN EFFECT FROM NOON TO 10 PM PDT MONDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT FROM NOON TO 10 PM PDT MONDAY. THE HIGH WIND WATCH IS NO LONGER IN EFFECT.

\* WINDS...AREAS OF WEST WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH. STRONGEST GUSTS TO 55 MPH MONDAY EVENING.

\* TIMING...WINDS INCREASING THROUGH THE DAY ON MONDAY...PEAKING MONDAY EVENING.

\* LOCATION...STRONGEST WINDS NEAR THE DESERT FOOTHILLS...AND NORTH AND EAST OF INTERSTATE 10 IN THE COACHELLA VALLEY.

\* VISIBILITY...LOCALLY REDUCED AT TIMES IN BLOWING SAND AND DUST.

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND OTHER DEBRIS. AREAS OF BLOWING DUST AND SAND COULD LOCALLY REDUCE VISIBILITY AT TIMES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

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FOR A DETAILED MAP OF THE HAZARD:  
[WWW.WRH.NOAA.GOV/WRH/WHV/?WFO=SGX](http://WWW.WRH.NOAA.GOV/WRH/WHV/?WFO=SGX)

17

129  
FXUS66 KSGX 271100  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
400 AM PDT SUN MAR 27 2016

.SYNOPSIS...

DRY WEATHER WILL CONTINUE INTO TONIGHT UNDER WEAKENING HIGH PRESSURE. FOR MONDAY THROUGH WEDNESDAY...A COLD LOW PRESSURE SYSTEM MOVING SOUTHWARD THROUGH THE WESTERN STATES WILL BRING STRONGER ONSHORE FLOW FOR SOUTHERN CALIFORNIA WITH COOLING... INCREASING HUMIDITIES WITH SMALL CHANCES FOR MAINLY LIGHT PRECIPITATION ALONG AND WEST OF THE MOUNTAINS...AND PERIODS OF GUSTY WEST WINDS IN THE MOUNTAINS AND DESERTS...STRONGEST FOR MONDAY AFTERNOON AND NIGHT. WARMER AND DRY TOWARDS THE END OF NEXT WEEK AS HIGH PRESSURE ALOFT RETURNS ALONG THE WEST COAST.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

A COLD LOW PRESSURE SYSTEM FROM THE GULF OF ALASKA WILL MOVE INTO THE PACIFIC NORTHWEST TODAY...INTO THE GREAT BASIN MONDAY AND TUESDAY...THEN WEAKEN AND MOVE EAST WEDNESDAY AND THURSDAY.

A COASTAL EDDY HAS DEVELOPED AS EXPECTED...BUT THE STRATUS HAS BEEN SLOW TO SPREAD INLAND. SATELLITE IMAGERY SHOWS THE STRATUS OFF THE NORTHERN BAJA AND FAR SOUTHERN CALIFORNIA COASTS...EXTENDING NORTHWARD INTO NORTHERN ORANGE COUNTY AND SOUTHERN LOS ANGELES COUNTY. THE WORKSTATION WRF SHOWS IT SPREADING INLAND INTO THE WESTERN VALLEYS AROUND SUNRISE...THEN CLEARING BACK TO NEAR THE COAST FOR THE AFTERNOON. ONSHORE FLOW WILL BEGIN TO INCREASE TODAY WITH GREATEST COOLING IN THE VALLEYS AND LESSER COOLING IN THE DESERTS AND NEAR THE COAST.

FOR TONIGHT INTO MONDAY...A COASTAL EDDY WILL BRING ADDITIONAL DEEPENING OF THE MARINE LAYER WITH THE STRATUS EXTENDING ONTO THE LOWER COASTAL MOUNTAIN SLOPES FOR MONDAY MORNING. ONSHORE FLOW WILL CONTINUE TO STRENGTHEN ON MONDAY WITH PERIODS OF STRONG GUSTY WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR MONDAY AND MONDAY NIGHT WITH STRONGEST WINDS FOR MONDAY AFTERNOON INTO LATE MONDAY NIGHT. SCATTERED LIGHT SHOWERS ALONG AND WEST OF THE MOUNTAINS COULD DEVELOP AS EARLY AS MONDAY MORNING WITH SMALL CHANCES OF MAINLY LIGHT SHOWERS CONTINUING INTO WEDNESDAY.

HIGH TEMPERATURES FOR MONDAY THROUGH WEDNESDAY WILL BE 5 TO 10 DEGREES BELOW AVERAGE FOR INLAND AREAS AND A FEW DEGREES BELOW AVERAGE NEAR THE COAST.

March 28, 2016 Exceptional Event, Imperial County

Appendix A Supplemental

AS THE LOW PRESSURE SYSTEM MOVES EAST...A PERIOD OF MOSTLY WEAK OFFSHORE FLOW IS POSSIBLE FOR THURSDAY INTO FRIDAY WITH WARMER AND DRY WEATHER TOWARDS THE END OF THE WEEK AS HIGH PRESSURE ALOFT RETURNS NEAR THE WEST COAST.

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.AVIATION...

270925Z...COAST/VALLEYS...PATCHY STRATUS WITH BASES 1000-1500 FT MSL DEVELOPING ALONG THE COAST AND UP TO 20 MI INLAND THIS MORNING...CLEARING TO THE COAST BY 18Z. STRATUS RETURNING TO THE COASTAL AIRPORTS AFTER 28/01Z WITH BASES 1500-2000 FT MSL AND TOPS NEAR 2500 FT MSL. BASES LIFTING TO OVER 2000 FT MSL AND TOPS TO 5000 FT MSL OVERNIGHT AS STRATUS FILLS IN WEST OF THE MOUNTAINS.

MTNS/DESERTS...MOSTLY CLEAR WITH UNRESTRICTED VIS THROUGH THIS EVENING. COASTAL SLOPES OF THE MOUNTAINS BECOMING OBSCURED IN CLOUDS/FOG TONIGHT. GUSTY SOUTHWEST TO WEST WINDS 30-40 KT DEVELOPING ALONG THE RIDGES AND ADJACENT DESERT SLOPES BY EARLY MONDAY MORNING. ASSOCIATED MOD-STG UDDFS POSSIBLE OVER AND NE/E OF THE MOUNTAINS.

&amp;&amp;

.MARINE...

200 AM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL BRING WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED STEEP SEAS REACHING 10 FEET MONDAY EVENING THROUGH EARLY WEDNESDAY. THESE CONDITIONS WOULD BE HAZARDOUS TO SMALL CRAFT. CONDITIONS WILL IMPROVE WEDNESDAY INTO THURSDAY.

&amp;&amp;

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&amp;&amp;

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM NOON MONDAY TO 3 AM PDT TUESDAY FOR APPLE AND LUCERNE VALLEYS-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

WIND ADVISORY FROM NOON TO 10 PM PDT MONDAY FOR COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS.

PZ...NONE.

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FXUS66 KSGX 271543  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
842 AM PDT SUN MAR 27 2016

.SYNOPSIS...

LOW PRESSURE APPROACHING FROM THE NORTH WILL BRING INCREASING  
ONSHORE FLOW AND COOLING THROUGH MID WEEK. A DEEPENING MARINE LAYER  
WILL ALSO BRING A CHANCE FOR LIGHT PRECIPITATION AT TIMES. WEST WINDS  
WILL BECOME QUITE STRONG AND GUSTY OVER THE MOUNTAINS AND LOCALLY  
INTO THE DESERTS RESULTING IN AREAS OF BLOWING DUST AND SAND LATE  
MONDAY AND MONDAY NIGHT. THE DAYS WILL BE NOTICEABLY COOLER...  
ESPECIALLY INLAND WHERE TEMPERATURES HAVE BEEN ABOVE NORMAL. DRY AND  
WARMER FOR THE END OF THE WEEK UNDER A WEAK HIGH PRESSURE RIDGE.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...  
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO  
COUNTIES...

THE FORECAST WAS UPDATED EARLIER TO REDUCE MORNING CLOUDS...

MARINE STRATUS COVERED A GOOD PORTION OF THE CA BIGHT THIS  
MORNING...AND EXTENDED INLAND OVER PORTIONS OF ORANGE COUNTY. IT WAS  
SLOW TO MOVE INLAND OVER SAN DIEGO COUNTY THOUGH...ONLY MAKING IT  
INTO SOUTHERN COASTAL AREAS AROUND SUNRISE. THE 15Z VISIBLE SATELLITE  
IMAGE SHOWS MOSTLY CLEAR SKIES...EXCEPT FOR THE MARINE CLOUDS ALONG  
THE COAST. THE 12Z MIRAMAR SOUNDING HAD A WEAK 4 DEGREE C INVERSION  
BASED NEAR 2500 FT MSL WITH LIGHT AND VARIABLE WINDS BELOW TO THE  
SFC. THE PW CONTINUED TO INCREASE AT 0.67 INCH. SURFACE PRESSURE  
GRADIENTS ARE WEAK THIS MORNING...BUT ARE TRENDING ONSHORE TO NV.  
WINDS ARE LIGHT WITH STRONGEST GUSTS UNDER 15 MPH AT 8 AM PDT.

SHOULD BE A FINE DAY ACROSS THE CWA ONCE THE MORNING STRATUS/FOG  
BURN AWAY. THERE WILL BE SOME PATCHY HIGH CLOUDS ADVANCING FROM THE  
NW...OTHERWISE SUNNY AND A BIT COOLER. LIGHT WINDS THIS MORNING WILL  
GRADUALLY INCREASE AS THE SEA BREEZE DEVELOPS AND PUSHES INLAND.

A LOW PRESSURE TROUGH OVER THE PACNW THIS MORNING WILL DIVE SOUTH  
OVER NOCAL MON MORNING...AND THEN SE ACROSS NV MON NIGHT. THE BROAD  
CIRCULATION AROUND THIS SYSTEM WILL CAUSE SIGNIFICANT HEIGHT FALLS  
AND COOLING ACROSS SOCAL ON MON. THE MARINE LAYER WILL RESPOND BY  
DEEPENING SIGNIFICANTLY TO THE COASTAL SLOPES AS WESTERLY WINDS  
INCREASE. SOME LIGHT PRECIPITATION MAY FALL FROM THE MARINE LAYER  
ALONG AND WEST OF THE MTS THROUGH MON NIGHT...BUT THE MAIN IMPACT  
WILL BE THE WIND. A HIGH WIND WARNING HAS BEEN POSTED OVER THE MTS  
AND HIGH DESERTS...WITH A WIND ADVISORY OVER THE LOWER DESERTS  
MON/MON NIGHT.

March 28, 2016 Exceptional Event, Imperial County

Appendix A Supplemental

THE WINDS WILL SETTLE DOWN ON TUE...BUT WE WILL REMAIN UNDER THE CIRCULATION OF THE BROAD AREA OF LOW PRESSURE THROUGH THU AS SEVERAL IMPULSES SWIRL AROUND THE WESTERN PERIPHERY. THERE WILL BE A CHANCE FOR SOME LIGHT PRECIPITATION ALONG AND WEST OF THE MTS MON THROUGH WED...DECREASING THU. GREATEST AMOUNTS WILL BE ON THE COASTAL SLOPES...BUT AMOUNTS LOOK TO BE VERY LIGHT WITH LIMITED MOISTURE AVAILABLE.

HIGH TEMPERATURES MONDAY THROUGH WEDNESDAY WILL BE 5 TO 10 DEGREES F BELOW AVERAGE INLAND...AND A FEW DEGREES BELOW AVERAGE NEAR THE COAST.

AS THE LOW PRESSURE SYSTEM GRADUALLY SINKS SOUTH...A WEAK RIDGE WILL REPLACE IT FRI THROUGH SUN. THIS WILL RETURN DAYTIME HIGHS TO AVERAGE AND ABOVE.

&&

.AVIATION...

271530Z...COAST/VALLEYS/COASTAL MTN SLOPES...PATCHY STRATUS 10-15 SM INLAND IN SAN DIEGO COUNTY AND 20-30 SM INLAND IN ORANGE COUNTY AND EXTREME NORTHWEST INLAND EMPIRE...WITH BASES AROUND 1400 FT MSL AND TOPS AROUND 1700-2400 FT MSL...SHOULD MOSTLY CLEAR OUT THROUGH 1800 UTC WITH MOSTLY SKC CONDITIONS THEN PREVAILING THROUGH 28/0000 UTC...ALTHOUGH THERE IS A CHANCE THAT SOME LOCAL SCT-BKN CLOUDS AROUND 2000 FT MSL COULD STICK AROUND NEAR THE COAST THROUGH THE AFTERNOON. 28/0000-1500 UTC...STRATUS RE-DEVELOPING AND DEEPENING AS IT FILLS THE COAST AND VALLEY AREAS...AND EVEN EVENTUALLY INTO THE MOUNTAIN PASSES AND LOWER COASTAL SLOPES WHERE MTN OBSCURATION COULD OCCUR BY 28/1200 UTC. BASES AND TOPS WILL START OUT AT AROUND 1500-2000 FT MSL AND 2500 FT MSL RESPECTIVELY...THEN RISE DURING THE NIGHT AND EARLY MORNING HOURS BEFORE BASES REACH AROUND 2000-3000 FT MSL AND TOPS REACH 4000-5000 FT MSL BY 28/1500 UTC.

MTN RIDGES/DESERT MTN SLOPES/DESERTS...MOSTLY SKC WITH UNRESTRICTED VIS THROUGH 28/0000 UTC...THEN INCREASING CLOUDS AOA 20000 FT MSL THROUGH MONDAY MORNING. SW TO W WIND GUSTS 30-40 KT DEVELOPING ALONG THE RIDGES...DESERT SLOPES...LOCALLY INTO ADJACENT DESERT AREAS...AND THROUGH/BELOW CANYONS/PASSES AFTER 28/0600 UTC WILL CREATE MOD-STG UDDFS/LLWS OVER AND NE OR E OF THE MTNS.

&&

.MARINE...

830 AM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL PRODUCE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED STEEP SEAS REACHING NEAR OR ABOVE 10 FEET MONDAY AFTERNOON THROUGH EARLY TUESDAY. THESE CONDITIONS WOULD BE HAZARDOUS TO SMALL CRAFT. CONDITIONS WILL IMPROVE LATER TUESDAY THROUGH THURSDAY.

&amp;&amp;

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE  
ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&amp;&amp;

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM NOON MONDAY TO 3 AM PDT TUESDAY FOR APPLE  
AND LUCERNE VALLEYS-RIVERSIDE COUNTY MOUNTAINS-SAN  
BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINS-SAN  
GORGONIO PASS NEAR BANNING.

WIND ADVISORY FROM NOON TO 10 PM PDT MONDAY FOR COACHELLA VALLEY-  
SAN DIEGO COUNTY DESERTS.

PZ...NONE.

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\$\$

PUBLIC...JAD

AVIATION/MARINE...HARRISON

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WWUS76 KSGX 272004  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
104 PM PDT SUN MAR 27 2016

...STRONG WEST WINDS DEVELOPING OVER THE MOUNTAINS AND DESERTS  
MONDAY AFTERNOON THROUGH MONDAY NIGHT...

.A LOW PRESSURE SYSTEM MOVING SOUTHWARD THROUGH THE WESTERN  
STATES WILL BRING INCREASING ONSHORE FLOW ACROSS SOUTHERN  
CALIFORNIA. STRONG AND GUSTY WESTERLY WINDS ARE LIKELY OVER THE  
MOUNTAINS AND DESERTS BY MONDAY AFTERNOON THROUGH MONDAY  
NIGHT...DIMINISHING TUESDAY.

CAZ055-056-060-065-280500-  
/O.CON.KSGX.HW.W.0005.160328T1900Z-160329T1000Z/  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-  
SAN GORGONIO PASS NEAR BANNING-  
104 PM PDT SUN MAR 27 2016  
  
...HIGH WIND WARNING REMAINS IN EFFECT FROM NOON MONDAY TO 3 AM  
PDT TUESDAY...

\* WINDS...AREAS OF WEST WINDS 25 TO 40 MPH WITH GUSTS TO 50 TO 60  
MPH. STRONGEST GUSTS 75 TO 85 MPH MONDAY EVENING THROUGH LATE  
MONDAY NIGHT ON THE DESERT SLOPES.

\* TIMING...WINDS INCREASING ON MONDAY...WITH STRONGEST WINDS  
MONDAY EVENING...SUBSIDING TUESDAY MORNING.

\* LOCATION...STRONGEST WINDS WILL BE NEAR MOUNTAIN RIDGE TOPS  
AND ALONG DESERT MOUNTAIN SLOPES...AND ACROSS THE NORTHERN  
COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.

\* VISIBILITY...LOCALLY REDUCED IN BLOWING SAND AND DUST IN THE  
DESERTS.

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR  
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS  
AND OTHER DEBRIS. LOCAL STRUCTURAL DAMAGE IS POSSIBLE NEAR THE  
DESERT FOOTHILLS. IN THE DESERTS...AREAS OF BLOWING DUST AND  
SAND COULD REDUCE VISIBILITY AT TIMES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ061-062-280500-  
/O.CON.KSGX.WI.Y.0018.160328T1900Z-160329T0500Z/  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
104 PM PDT SUN MAR 27 2016

...WIND ADVISORY REMAINS IN EFFECT FROM NOON TO 10 PM PDT  
MONDAY...

- \* WINDS...AREAS OF WEST WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH.  
STRONGEST GUSTS TO 55 MPH MONDAY EVENING.
- \* TIMING...WINDS INCREASING THROUGH THE DAY ON MONDAY...PEAKING  
MONDAY EVENING.
- \* LOCATION...STRONGEST WINDS NEAR THE DESERT FOOTHILLS...AND  
NORTH AND EAST OF INTERSTATE 10 IN THE COACHELLA VALLEY.
- \* VISIBILITY...LOCALLY REDUCED AT TIMES IN BLOWING SAND AND DUST.
- \* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY  
FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN  
TREE LIMBS AND OTHER DEBRIS. AREAS OF BLOWING DUST AND SAND  
COULD LOCALLY REDUCE VISIBILITY AT TIMES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

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AFDSGX

## AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE SAN DIEGO CA

120 PM PDT SUN MAR 27 2016

## .SYNOPSIS...

LOW PRESSURE APPROACHING FROM THE NORTH WILL BRING INCREASING ONSHORE FLOW AND COOLING THROUGH MID WEEK. A DEEPENING MARINE LAYER WILL ALSO BRING A CHANCE FOR LIGHT PRECIPITATION AT TIMES. WEST WINDS WILL BECOME QUITE STRONG AND GUSTY OVER THE MOUNTAINS AND LOCALLY INTO THE DESERTS RESULTING IN AREAS OF BLOWING DUST AND SAND LATE MONDAY AND MONDAY NIGHT. THE DAYS WILL BE NOTICEABLY COOLER... ESPECIALLY INLAND WHERE TEMPERATURES HAVE BEEN ABOVE NORMAL. DRY AND WARMER FOR THE END OF THE WEEK UNDER A WEAK HIGH PRESSURE RIDGE.

&amp;&amp;

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

STRONG WESTERLY WINDS ON MONDAY AFTERNOON AND EVENING...

WET ROADS POSSIBLE ALONG AND WEST OF THE MOUNTAINS MONDAY MORNING...

MARINE STRATUS WAS WIDESPREAD OVER THE COASTAL WATERS EARLY THIS AFTERNOON AND EXTENDED INLAND SEVERAL MILES OVER SOUTHERN SAN DIEGO COUNTY AT 1 PM PDT. SURFACE PRESSURE GRADIENTS ARE WEAK...BUT TRENDING ONSHORE. SOUTH WINDS WERE PICKING UP OVER THE HIGH DESERT AT 15-25 MPH...BUT ELSEWHERE WIND/GUST REPORTS WERE LOWER.

EXPECT THE MARINE STRATUS WILL GATHER QUICKLY ALONG THE COAST THIS EVENING AND MOVE WELL INLAND OVERNIGHT. HIRES MODELS SHOW SOME LIGHT PRECIP BREAKING OUT BY MORNING AND DEVELOPING TOWARD THE COASTAL SLOPES ON MONDAY WITH INCREASING ONSHORE WIND.

A LOW PRESSURE TROUGH OVER THE PACNW WILL DIVE SOUTH OVER NOCAL MON MORNING...AND THEN SE ACROSS NV MON NIGHT. THE BROAD CIRCULATION AROUND THIS SYSTEM WILL CAUSE SIGNIFICANT HEIGHT FALLS AND COOLING ACROSS SOCAL ON MON. THE MARINE LAYER WILL RESPOND BY DEEPENING SIGNIFICANTLY TO THE COASTAL SLOPES AS WESTERLY WINDS INCREASE. SOME LIGHT PRECIPITATION MAY FALL FROM THE MARINE LAYER ALONG AND WEST OF THE MTS THROUGH MON NIGHT...BUT THE MAIN IMPACT WILL BE THE WIND. A HIGH WIND WARNING HAS BEEN POSTED OVER THE MTS AND HIGH DESERTS... WITH A WIND ADVISORY OVER THE LOWER DESERTS MON/MON NIGHT.

THE HIRES MODELS HAVE BEEN VERY AGGRESSIVE WITH FORECAST WIND SPEEDS ON THE DESERT SLOPES. THESE WINDS ARE CONFINED TO LARGELY UNPOPULATED AREAS WHERE LITTLE IMPACT IS LIKELY. HOWEVER...IF STRONG MOUNTAIN

March 28, 2016 Exceptional Event, Imperial County

Appendix A Supplemental

WAVE ACTIVITY MATERIALIZES...THERE IS A POSSIBILITY SOME OF THIS MOMENTUM COULD BE MIXED DOWNSTREAM INTO ADJACENT DESERT AREAS MONDAY NIGHT. ISOLATED...WINDS OF THIS MAGNITUDE (PEAK GUSTS 80 MPH OR MORE) CAN CAUSE DAMAGE TO STRUCTURES. THERE WILL ALSO BE A RISK OF POWER INTERRUPTIONS SINCE ELECTRIC INFRASTRUCTURE CROSSES OVER SOME OF THESE REMOTE AREAS.

THE WINDS WILL SETTLE DOWN ON TUE...BUT WE WILL REMAIN UNDER THE CIRCULATION OF THE BROAD AREA OF LOW PRESSURE THROUGH THU AS SEVERAL IMPULSES SWIRL AROUND THE WESTERN PERIPHERY. THERE WILL BE A CHANCE FOR SOME LIGHT PRECIPITATION ALONG AND WEST OF THE MTS MON THROUGH WED...DECREASING THU. GREATEST AMOUNTS WILL BE ON THE COASTAL SLOPES...BUT AMOUNTS LOOK TO BE LIGHT...WITH LIMITED MOISTURE AVAILABILITY.

HIGH TEMPERATURES MONDAY THROUGH WEDNESDAY WILL BE 5 TO 10 DEGREES F BELOW AVERAGE INLAND...AND A FEW DEGREES BELOW AVERAGE NEAR THE COAST.

AS THE LOW PRESSURE SYSTEM GRADUALLY SINKS SOUTH...A WEAK RIDGE WILL REPLACE IT FRI THROUGH SUN. THIS WILL RETURN DAYTIME HIGHS TO AVERAGE AND ABOVE BY NEXT WEEKEND.

&&

.AVIATION...

272003Z...COAST/VALLEYS/COASTAL MTN SLOPES...THROUGH 28/0000 UTC...PREVAILING UNRESTRICTED VIS AND SCT CLOUDS AOA 20000 FT MSL...EXCEPT WITHIN 5-10 SM OF THE SAN DIEGO COUNTY COAST WHERE PATCHES OF BKN-OVC CLOUDS 1800-2200 FT MSL MAY PERSIST. 28/0000-1500 UTC...WIDESPREAD STRATUS RE-DEVELOPING AND DEEPENING AS IT FILLS THE COAST AND VALLEY AREAS...AND EVEN EVENTUALLY INTO THE MOUNTAIN PASSES AND LOWER COASTAL SLOPES WHERE MTN OBSCURATION COULD OCCUR BY 28/1200 UTC. BASES AND TOPS WILL START OUT AT AROUND 1500-2000 FT MSL AND 2500 FT MSL RESPECTIVELY...THEN RISE DURING THE NIGHT AND EARLY MORNING HOURS BEFORE BASES REACH AROUND 2000-3000 FT MSL AND TOPS REACH 4000-5000 FT MSL BY 28/1500 UTC.

MTN RIDGES/DESERT MTN SLOPES/DESERTS...UNRESTRICTED VIS THROUGH MONDAY MORNING...WITH SCT-BKN CLOUDS AOA 20000 FT MSL. SW TO W WIND GUSTS 30-40 KT DEVELOPING ALONG THE RIDGES...DESERT SLOPES...LOCALLY INTO ADJACENT DESERT AREAS...AND THROUGH/BELOW CANYONS/PASSES AFTER 28/0600 UTC WILL CREATE MOD-STG UDDFS/LLWS OVER AND NE OR E OF THE MTNS.

&&

.MARINE...

103 PM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL PRODUCE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED STEEP SEAS REACHING NEAR OR ABOVE 10 FEET MONDAY AFTERNOON THROUGH MOST OF TUESDAY. A SMALL CRAFT ADVISORY HAS BEEN

ISSUED. SEE LAXMWSGX FOR MORE DETAILS. CONDITIONS WILL IMPROVE LATE TUESDAY NIGHT THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM NOON MONDAY TO 3 AM PDT TUESDAY FOR APPLE AND LUCERNE VALLEYS-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

WIND ADVISORY FROM NOON TO 10 PM PDT MONDAY FOR COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS.

PZ...SMALL CRAFT ADVISORY FROM 2 PM MONDAY TO 11 PM PDT TUESDAY FOR WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING 30 TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

SMALL CRAFT ADVISORY FROM 5 PM MONDAY TO 11 AM PDT TUESDAY FOR COASTAL WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT TO 30 NM.

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PUBLIC...JAD  
AVIATION/MARINE...HARRISON

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FXUS65 KPSR 280130

AFDPSR

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE PHOENIX AZ

630 PM MST SUN MAR 27 2016

.SYNOPSIS...

ON MONDAY...A STRONG WEATHER SYSTEM WILL BRING WINDY CONDITIONS WITH CHANCES FOR BLOWING DUST AND A PERIOD OF MUCH COOLER TEMPERATURES. THESE COOLER THAN AVERAGE READINGS WILL LINGER THROUGH MUCH OF THE WEEK BEFORE RETURNING CLOSER TO NORMAL BY THE WEEKEND. PRECIPITATION CHANCES WILL BE LIMITED TO VERY LIGHT AMOUNTS ACROSS THE HIGHER TERRAIN OF NORTHERN AND EASTERN ARIZONA.

&&

.DISCUSSION...

A LARGE NEGATIVE HEIGHT ANOMALY CONTINUES TO DEEPEN ACROSS THE PACIFIC NORTHWEST WITH STRONG UPSTREAM MERIDIONAL JET ENERGY AND VORTICITY CENTERS FORCING FURTHER EQUATORWARD PROPAGATION. 00Z REGIONAL SOUNDING DATA ALREADY INDICATED MODEST HEIGHT FALLS MOVING INTO CENTRAL NEVADA...AND FAIRLY ROBUST SFC PRESSURE FALLS HAVE BEEN MEASURED INTO INLAND CALIFORNIA. WITH ONLY THIN CIRRUS ADVECTING INTO THE FORECAST AREA AND WIND SHOWING SIGNS OF DECOUPLING...TEMPERATURES WILL BEGIN DECREASING WITH SUNSET THOUGH MAY SLOW THEIR NOCTURNAL DEPRESSION AS THE SFC PRESSURE GRADIENT BEGINS TO TIGHTEN AND SOME MEASURE OF NEAR SFC MIXING DEVELOPS. OTHERWISE...SOME ADJUSTMENTS WERE MADE TO HOURLY GRIDS TO ACCOUNT FOR RECENT TRENDS AS WELL AS ADDING ADDITIONAL TEMPORAL DETAIL. WIND ADVISORY STILL LOOKS SOLID WITH THE MOST INTENSE WIND GUSTS DEVELOPING DURING THE MID/LATE AFTERNOON HOURS MONDAY.

&&

.PREVIOUS DISCUSSION...

/249 PM MST SUN MAR 27 2016/

THE LOW PRESSURE OVER NW WASHINGTON STATE IS STILL FORECAST TO DIG DOWN AND DEEPEN OVER NRN CA AND NV BY MONDAY TIGHTENING THE GRADIENT OVER ARIZONA AND ULTIMATELY SWINGING OUT TO THE EAST BUT NOT WITHOUT FIRST PINCHING OFF ANOTHER CLOSED LOW PRESSURE BY THE END OF THE WEEK WHICH BOTH EURO AND GFS ARE CUTTING OFF NEAR THE YUMA AREA BY THURSDAY EVENING. DID ADD SOME ADDITIONAL BLOWING DUST AREA FOR SRN CA FOR MONDAY.

MODEL GUIDANCE CONTINUES TO BE VERY CONSISTENT IN CALLING FOR A

SIGNIFICANT CHANGE TO THE WEATHER PATTERN THROUGH MID WEEK. SPAGHETTI OUTPUT FROM LATEST GEFS ENSEMBLE GUIDANCE CONTINUES TO SHOW VERY GOOD AGREEMENT BETWEEN MOST OF THE MEMBERS THROUGH AT LEAST WEDNESDAY...BEFORE EVENTUALLY BECOME MORE CHAOTIC. ON MONDAY...STRONG AND DRY SOUTHWEST FLOW ALOFT SETS UP AHEAD OF THE LOW AND ACROSS FAR SERN CA AND SRN ARIZONA. EARLIER EFI WIND OUTPUT SUGGESTED WINDS EXCEEDING THE 95TH PERCENTILE OVER MUCH OF OUR WESTERN DESERTS FOR THE AFTERNOON INDICATING POTENTIAL FOR WINDS REACHING AT LEAST WIND ADVISORY CRITERIA. LATEST GFS FORECAST SHOWS 925MB WINDS 35-40KT ACROSS SERN CA AND WESTERN AZ...AND SUFFICIENT SUNSHINE WILL ALLOW FOR GOOD MIXING OF LOW LEVEL WINDS TO THE SURFACE. THE WIND ADVISORY WILL REMAIN IN PLACE FOR MONDAY AFTERNOON AND EVENING THROUGH THE WESTERN CWA. OTHERWISE...IT WILL REMAIN DRY MONDAY WITH TEMPS REMAINING IN THE MID 80S OVER THE CENTRAL DESERTS.

FOR TUESDAY INTO WEDNESDAY...THE LOW IS FORECAST TO SAG SOUTH ACROSS THE DESERT SOUTHWEST ALTHOUGH THE MAIN LOW CENTER STAYS WELL NORTH OF THE PHOENIX AREA. OCCASIONAL VORT LOBES WILL PIVOT AROUND THE MAIN LOW PROVIDING PERIODIC ENHANCED UVV/LIFT. MODEL TIMING OF THESE FEATURES REMAINS TRICKY...HOWEVER WHAT DOES SEEM RELATIVELY CLEAR IS THAT MOISTURE WILL REMAIN VERY LIMITED AND ANY SHOWERS THAT FORM OVER THE 2 DAY PERIOD WILL BE FEW AND SPOTTY AND CONFINED TO HIGHER TERRAIN LOCATIONS EAST OF PHOENIX. MODEL MOISTURE CROSS SECTIONS CONTINUED TO SHOW SKIMPY AND THIN LAYERS OF HIGHER HUMIDITY ACROSS THE DESERTS...AND DATA FROM THE LATEST ENSEMBLE SITUATION AWARENESS TABLE INDICATE THAT PWAT VALUES ACROSS THE DESERT SOUTHWEST ARE MOSTLY LESS THAN 1 STANDARD DEVIATION ABOVE THE CLIMATOLOGICAL MEAN. IN ESSENCE...THE TABLE IS NOT BULLISH AT ALL ON THE MOISTURE PRESENT WITH THIS SYSTEM. LATEST 5 DAY PRECIP FORECAST FROM WPC ESSENTIALLY HAS ZERO QPF FOR OUR ENTIRE FORECAST AREA. THUS...HAVE PARED OUR POPS BACK EVEN FURTHER INTO MOSTLY SINGLE DIGITS BOTH DAYS WITH MEAGER CHANCES OVER THE HIGHER TERRAIN ZONES MAINLY TUESDAY INTO EARLY WEDNESDAY.

ALTHOUGH CONFIDENCE IN ANY SHOWERS CONTINUES TO FALL...CONFIDENCE REMAINS VERY HIGH THAT WE WILL SEE VERY COOL HIGH TEMPERATURES BOTH TUESDAY AND WEDNESDAY WITH HIGHS FALLING INTO THE LOW TO MID 70S OVER MOST OF THE DESERTS...AND EVEN INTO THE UPPER 60S OVER THE COOLER CENTRAL DESERTS. LATEST BEST PERFORMING GUIDANCES ARE INSISTENT UPON THIS STRONG COOL DOWN AND H5 HEIGHTS FALL 120M OR MORE WITH VALUES DROPPING TO NEAR 550DM BY TUESDAY EVENING OVER THE CENTRAL DESERTS. CURRENT HIGH FOR PHOENIX WILL HOVER NEAR 70S DEGREES ON BOTH DAYS.

FOR THE LATTER PORTION OF THE EXTENDED...THURSDAY INTO THE WEEKEND...GRADUAL WARMING CAN BE EXPECTED AS MOST OF THE ENERGY ASSOCIATED WITH THE LOW SLOWLY WORKS EASTWARD AND HIGH PRESSURE ATTEMPTS TO BUILD INTO THE DESERT SOUTHWEST. BY THURSDAY MIDDAY...THE BULK OF THE DEEP LOW WILL EJECT WELL EAST AND INTO THE

CENTRAL CONUS...BUT ONE LAST BAGGY VORT LOBE/SHORT WAVE PERSISTS ALONG THE CENTRAL CA COAST AND THIS FEATURE SLIDES SOUTHEAST AND INTO ARIZONA. THIS FEATURE LOOKS TO BE QUITE DRY BUT THERE MAY BE ENOUGH LINGERING MOISTURE TO ALLOW FOR A FEW SHOWERS OVER THE HIGHER TERRAIN EAST OF PHOENIX. BOTH THE GFS AND ECMWF KEEP SOME BAGGY TROUGHING IN PLACE OVER SERN ARIZONA LATER THURSDAY INTO SATURDAY BUT QPF IS MODEST AT BEST AND MOSTLY WELL SOUTHEAST OF CENTRAL PHOENIX. WE WILL KEEP POPS NEAR CLIMO FROM PHOENIX EAST FRIDAY INTO SATURDAY WITH SKIES BECOMING MOSTLY SUNNY OVER THE WESTERN DESERTS AS HIGHER PRESSURE ALOFT STARTS TO TAKE HOLD.

&&

.AVIATION...

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL... STRONGER WIND GUSTS DEVELOPING MONDAY AFTERNOON WILL BE THE PRIMARY AVIATION IMPACT WITH ONLY FEW-SCT MIDLEVEL DECKS BELOW AN INCREASING THICKER CIRRUS LAYER. AN EASTERLY SFC WIND SHOULD MATERIALIZE EARLY TONIGHT VERSUS SATURDAY NIGHT...THEN BECOME A SOUTHERLY CROSS RUNWAY COMPONENT LATE MONDAY MORNING. A FEW GUSTS TO 20KT MAY BE POSSIBLE WITH THIS CROSS WIND COMPONENT...BEFORE DIRECTIONS VEER MORE TOWARDS A SOUTHWEST DIRECTION BY MID AFTERNOON. CONFIDENCE IS VERY GOOD THAT GUSTS 25-30KT WILL BE LIKELY LATER MONDAY AFTERNOON.

SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH... VERY STRONG AND GUSTY WINDS ALONG WITH BLOWING DUST WILL BE THE MAIN AVIATION IMPACTS MONDAY AFTERNOON. WITH ONLY PERIODIC HIGH CLOUDS...SFC WINDS THROUGH TONIGHT WILL REMAIN RATHER LIGHT FROM THE SOUTH OR SOUTHWEST...LIKELY BECOMING VARIABLE FOR AN EXTENDED PERIOD AROUND SUNRISE. STRONGER SPEEDS WITH OCCASIONAL GUSTS WILL BEGIN LATER MONDAY MORNING...WITH VERY STRONG GUSTS DEVELOPING BY EARLY AFTERNOON. CONFIDENCE IS VERY GOOD THAT FREQUENT SOUTHWEST GUSTS 30-40KT ALONG WITH BLOWING DUST OCCASIONALLY REDUCING VSBY INTO A MVFR CATEGORY WILL IMPACT TERMINAL SITES LATER MONDAY AFTERNOON.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...

TUESDAY THROUGH SATURDAY...

A DEEP LOW PRESSURE SYSTEM WILL AFFECT THE REGION TUESDAY THROUGH FRIDAY...WITH SLIGHT CHANCES OF SHOWERS MAINLY OVER THE HIGHER TERRAIN WELL EAST OF PHOENIX. WINDS WILL BE QUITE BREEZY TUESDAY ACROSS EASTERN ARIZONA WITH MINIMUM HUMIDITIES REMAINING SOMEWHAT ELEVATED. TEMPERATURES WILL ALSO BE COOLER TUESDAY/WEDNESDAY WITH HIGHS OVER THE LOWER DESERTS IN THE UPPER 60S TO LOWER 70S. HIGH PRESSURE WILL GRADUALLY SETTLE BACK INTO THE REGION SATURDAY WITH WARMING TEMPERATURES AND DRYING CONDITIONS. WINDS WILL GENERALLY BE

LIGHT STARTING WEDNESDAY WHILE MINIMUM AFTERNOON HUMIDITIES WILL  
FALL BACK INTO THE TEENS.

&&

.SPOTTER INFORMATION STATEMENT...  
SPOTTER ACTIVATION IS NOT EXPECTED.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...  
AZ...WIND ADVISORY FROM 1 PM TO 10 PM MST MONDAY FOR AZZ020-021.

CA...WIND ADVISORY FROM 1 PM TO 10 PM PDT MONDAY FOR CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...MO/WATERS/CB  
AVIATION...MO  
FIRE WEATHER...KUHLMAN/MEYERS

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NPWPSR

URGENT - WEATHER MESSAGE

NATIONAL WEATHER SERVICE PHOENIX AZ

647 PM MST SUN MAR 27 2016

...WINDY CONDITIONS MONDAY AFTERNOON AND EVENING ACROSS SOUTHEAST CALIFORNIA AND WESTERN ARIZONA...

AZZ020-021-CAZ030>033-281145-

/O.CON.KPSR.WI.Y.0005.160328T2000Z-160329T0500Z/

LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-

JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-

RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-

INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...

QUARTZSITE...SALOME...COTTONWOOD VISITOR CENTER...KEYS VIEW...

LOST HORSE...BLYTHE...CHIRIACO SUMMIT...DESERT CENTER...

EAGLE MOUNTAIN...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...

IMPERIAL...THE SALTON SEA

647 PM MST SUN MAR 27 2016 /647 PM PDT SUN MAR 27 2016/

...WIND ADVISORY REMAINS IN EFFECT FROM 1 PM MST /1 PM PDT/ TO 10 PM MST /10 PM PDT/ MONDAY...

\* AFFECTED AREA...SOUTHEAST CALIFORNIA INCLUDING INTERSTATE 8 AND 10 THROUGH THE CITIES OF EL CENTRO AND BLYTHE. WEST CENTRAL ARIZONA INCLUDING HIGHWAYS 95 AND 72 THROUGH THE CITIES OF QUARTZSITE AND PARKER.

\* TIMING...STRONG WINDS BEGINNING MONDAY AFTERNOON AND CONTINUING INTO THE EVENING HOURS.

\* WINDS...SOUTHWEST WINDS AROUND 30 MPH WITH FREQUENT GUSTS TO 45 MPH.

\* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND MAY LEAD TO SIGNIFICANTLY LOWERED VISIBILITIES FURTHER EXACERBATING DANGEROUS DRIVING CONDITIONS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN 30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND 58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY

760  
FXUS66 KSGX 280439  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
937 PM PDT SUN MAR 27 2016

.SYNOPSIS...

LOW PRESSURE APPROACHING FROM THE NORTH WILL BRING INCREASING  
ONSHORE FLOW AND COOLING THROUGH MID WEEK. A DEEPENING MARINE LAYER  
WILL ALSO BRING A CHANCE FOR LIGHT PRECIPITATION AT TIMES. WEST WINDS  
WILL BECOME QUITE STRONG AND GUSTY OVER THE MOUNTAINS AND LOCALLY  
INTO THE DESERTS RESULTING IN AREAS OF BLOWING DUST AND SAND LATE  
MONDAY AND MONDAY NIGHT. THE DAYS WILL BE NOTICEABLY COOLER...  
ESPECIALLY INLAND WHERE TEMPERATURES HAVE BEEN ABOVE NORMAL. DRY AND  
WARMER FOR THE END OF THE WEEK UNDER A WEAK HIGH PRESSURE RIDGE.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...  
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO  
COUNTIES...

...STRONG TO SEVERE WESTERLY WINDS MONDAY AFTERNOON AND EVENING...

...WET ROADS POSSIBLE ALONG AND WEST OF THE MOUNTAINS MONDAY  
MORNING...

EVENING UPDATE...A QUIET EVENING BEFORE THE STORM. ONSHORE PRESSURE  
GRADIENTS ARE JUST BEGINNING TO PICK UP ATTM IN ADVANCE OF A COLD  
UPPER LEVEL TROUGH...WHICH WILL DROP SOUTH MONDAY FROM THE PACIFIC  
NORTHWEST. THIS SYSTEM WILL HAVE TROUBLE TAPPING MUCH OF A MOISTURE  
FIELD...THEREFORE PRECIPITATION AMOUNTS WILL BE ON THE LIGHT SIDE.  
NONETHELESS SHOWERS WILL LIKELY BREAK OUT ALONG WITH DRIZZLE IN THE  
DEEP MARINE LAYER MONDAY MORNING...FOR THE COAST...VALLEYS AND THE

WESTERN PORTIONS OF THE MOUNTAINS. THE BIGGER STORY WILL BE THE  
POTENTIAL FOR VERY STRONG WINDS DEVELOPING MONDAY AFTERNOON...LIKELY  
PEAKING MONDAY NIGHT INTO TUESDAY MORNING. THE HIGH RES MODELS  
CONTINUE TO INDICATE VERY STRONG WINDS JUST OFF THE  
SURFACE...POSSIBLY AS STRONG AS 70 TO 80 KNOTS...AND A FAVORABLE  
TRAJECTORY AND STABILITY PROFILE TO GENERATE MOUNTAIN WAVES THAT  
COULD SURFACE IN THE LOWER DESERTS OF SAN DIEGO COUNTY AND THE  
COACHELLA VALLEY. WITH THIS IN MIND WE HAVE UPGRADED THE WIND

ADVISORY THERE TO A HIGH WIND WARNING...BEGINNING MONDAY AFTERNOON  
WITH THE HIGHEST POTENTIAL IMPACT MONDAY NIGHT. HIGH WIND WARNING  
REMAINS IN EFFECT FOR THE HIGH DESERTS AND THE EASTERN PORTIONS OF  
THE MOUNTAINS. NO OTHER CHANGES WERE MADE TO THE FORECAST DATABASE  
AT THIS TIME.

...PREVIOUS DISCUSSION...ISSUED AT 120 PM...

MARINE STRATUS WAS WIDESPREAD OVER THE COASTAL WATERS EARLY THIS

March 28, 2016 Exceptional Event, Imperial County

Appendix A Supplemental

AFTERNOON AND EXTENDED INLAND SEVERAL MILES OVER SOUTHERN SAN DIEGO COUNTY AT 1 PM PDT. SURFACE PRESSURE GRADIENTS ARE WEAK...BUT TRENDING ONSHORE. SOUTH WINDS WERE PICKING UP OVER THE HIGH DESERT AT 15-25 MPH...BUT ELSEWHERE WIND/GUST REPORTS WERE LOWER.

EXPECT THE MARINE STRATUS WILL GATHER QUICKLY ALONG THE COAST THIS EVENING AND MOVE WELL INLAND OVERNIGHT. HIRES MODELS SHOW SOME LIGHT PRECIP BREAKING OUT BY MORNING AND DEVELOPING TOWARD THE COASTAL SLOPES ON MONDAY WITH INCREASING ONSHORE WIND.

A LOW PRESSURE TROUGH OVER THE PACNW WILL DIVE SOUTH OVER NOCAL MON MORNING...AND THEN SE ACROSS NV MON NIGHT. THE BROAD CIRCULATION AROUND THIS SYSTEM WILL CAUSE SIGNIFICANT HEIGHT FALLS AND COOLING ACROSS SOCAL ON MON. THE MARINE LAYER WILL RESPOND BY DEEPENING SIGNIFICANTLY TO THE COASTAL SLOPES AS WESTERLY WINDS INCREASE. SOME LIGHT PRECIPITATION MAY FALL FROM THE MARINE LAYER ALONG AND WEST OF THE MTS THROUGH MON NIGHT...BUT THE MAIN IMPACT WILL BE THE WIND. A HIGH WIND WARNING HAS BEEN POSTED OVER THE MTS AND HIGH DESERTS... WITH A WIND ADVISORY OVER THE LOWER DESERTS MON/MON NIGHT.

THE HIRES MODELS HAVE BEEN VERY AGGRESSIVE WITH FORECAST WIND SPEEDS ON THE DESERT SLOPES. THESE WINDS ARE CONFINED TO LARGELY UNPOPULATED AREAS WHERE LITTLE IMPACT IS LIKELY. HOWEVER...IF STRONG MOUNTAIN WAVE ACTIVITY MATERIALIZES...THERE IS A POSSIBILITY SOME OF THIS MOMENTUM COULD BE MIXED DOWNSTREAM INTO ADJACENT DESERT AREAS MONDAY NIGHT. ISOLATED...WINDS OF THIS MAGNITUDE (PEAK GUSTS 80 MPH OR MORE) CAN CAUSE DAMAGE TO STRUCTURES. THERE WILL ALSO BE A RISK OF POWER INTERRUPTIONS SINCE ELECTRIC INFRASTRUCTURE CROSSES OVER SOME OF THESE REMOTE AREAS.

THE WINDS WILL SETTLE DOWN ON TUE...BUT WE WILL REMAIN UNDER THE CIRCULATION OF THE BROAD AREA OF LOW PRESSURE THROUGH THU AS SEVERAL IMPULSES SWIRL AROUND THE WESTERN PERIPHERY. THERE WILL BE A CHANCE FOR SOME LIGHT PRECIPITATION ALONG AND WEST OF THE MTS MON THROUGH WED...DECREASING THU. GREATEST AMOUNTS WILL BE ON THE COASTAL SLOPES...BUT AMOUNTS LOOK TO BE LIGHT...WITH LIMITED MOISTURE AVAILABILITY.

HIGH TEMPERATURES MONDAY THROUGH WEDNESDAY WILL BE 5 TO 10 DEGREES F BELOW AVERAGE INLAND...AND A FEW DEGREES BELOW AVERAGE NEAR THE COAST.

AS THE LOW PRESSURE SYSTEM GRADUALLY SINKS SOUTH...A WEAK RIDGE WILL REPLACE IT FRI THROUGH SUN. THIS WILL RETURN DAYTIME HIGHS TO AVERAGE AND ABOVE BY NEXT WEEKEND.

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.AVIATION...

280430Z...COAST/VALLEYS/COASTAL MTN SLOPES...STRATUS WILL BECOME WIDESPREAD OVERNIGHT WITH VARIABLE BKN/OVC BASES 1500-2500 FT MSL AND TOPS TO 6000 FT MSL...CONTINUING MOST OF MONDAY EXCEPT WITH BASES RISING MOSTLY TO 2500-3000 FT MSL AFTER 16Z SCT

## March 28, 2016 Exceptional Event, Imperial County

## Appendix A Supplemental

-SHRA WILL DEVELOP AFTER 11Z AND CONTINUE AT TIMES THROUGH MONDAY.  
MOST VIS WILL BE 5+ MILES EXCEPT WHERE HIGHER TERRAIN IS OBSCURED IN  
CLOUDS/FOG.

MTN RIDGES/DESERT MTN SLOPES/DESERTS...UNRESTRICTED VIS THROUGH  
MONDAY...WITH SCT-BKN CLOUDS AT/ABOVE 20000 FT MSL. AREAS OF SW TO W  
SURFACE WIND GUSTS 30-40 KT WILL DEVELOP ALONG THE RIDGES...DESERT  
SLOPES AND INTO ADJACENT DESERT AREAS...AND THROUGH/BELOW  
CANYONS/PASSES AFTER 09Z MON WILL CREATE MOD-STG UDDFS/LLWS OVER AND  
NE OR E OF THE MTNS...WITH WIND GUSTS INCREASING FURTHER TO 40-60 KT  
AFTER 23Z MON.

&&

.MARINE...

930 PM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH  
MONDAY MORNING. AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE  
GREAT BASIN WILL PRODUCE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT  
AND COMBINED STEEP SEAS REACHING NEAR OR ABOVE 10 FEET MONDAY  
AFTERNOON THROUGH MOST OF TUESDAY. LOCAL WIND GUSTS COULD APPROACH  
GALE FORCE NEAR SAN CLEMENTE ISLAND. A SMALL CRAFT ADVISORY HAS BEEN  
ISSUED. SEE LAXMWWSGX FOR MORE DETAILS. CONDITIONS WILL IMPROVE LATE  
TUESDAY NIGHT THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE  
ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM NOON MONDAY TO 3 AM PDT TUESDAY FOR APPLE  
AND LUCERNE VALLEYS-RIVERSIDE COUNTY MOUNTAINS-SAN  
BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINS-SAN  
GORGONIO PASS NEAR BANNING-COACHELLA VALLEY-  
SAN DIEGO COUNTY DESERTS.

PZ...SMALL CRAFT ADVISORY FROM 2 PM MONDAY TO 11 PM PDT TUESDAY FOR  
WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING  
30 TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

SMALL CRAFT ADVISORY FROM 5 PM MONDAY TO 11 AM PDT TUESDAY FOR  
COASTAL WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER  
AND OUT TO 30 NM.

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PUBLIC...JMB/JAD  
AVIATION/MARINE...MAXWELL



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WWUS76 KSGX 280451  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
951 PM PDT SUN MAR 27 2016

...STRONG TO SEVERE WEST WINDS DEVELOPING OVER THE MOUNTAINS AND  
DESERTS MONDAY AFTERNOON THROUGH MONDAY NIGHT...

.A LOW PRESSURE SYSTEM MOVING SOUTHWARD THROUGH THE WESTERN  
STATES WILL BRING INCREASING ONSHORE FLOW ACROSS SOUTHERN  
CALIFORNIA. STRONG AND GUSTY WESTERLY WINDS ARE LIKELY OVER THE  
MOUNTAINS AND DESERTS BY MONDAY AFTERNOON CONTINUING INTO MONDAY  
NIGHT... DIMINISHING TUESDAY.

CAZ061-062-281300-  
/O.UPG.KSGX.WI.Y.0018.160328T1900Z-160329T0500Z/  
/O.EXA.KSGX.HW.W.0005.160328T1900Z-160329T1000Z/  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
951 PM PDT SUN MAR 27 2016

...HIGH WIND WARNING IN EFFECT FROM NOON MONDAY TO 3 AM PDT  
TUESDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND  
WARNING...WHICH IS IN EFFECT FROM NOON MONDAY TO 3 AM PDT  
TUESDAY. THE WIND ADVISORY IS NO LONGER IN EFFECT.

- \* WINDS...WEST WINDS 20 TO 30 MPH WITH GUSTS TO 50 MPH. STRONGEST  
GUSTS UP TO 70 MPH MONDAY EVENING NEAR THE DESERT FOOTHILLS AND  
SLOPES...AND NORTH AND EAST OF INTERSTATE 10 IN THE COACHELLA  
VALLEY.
- \* TIMING...WINDS INCREASING THROUGH THE DAY MONDAY...PEAKING  
MONDAY EVENING...THEN DIMINISHING TUESDAY MORNING.
- \* VISIBILITY...COULD BE REDUCED TO NEAR ZERO DURING TIMES OF BLOWING  
SAND AND DUST.
- \* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR  
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREES AND  
OTHER DEBRIS. WINDS OF THIS MAGNITUDE COULD CAUSE ISOLATED  
PROPERTY DAMAGE AND POWER OUTAGES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ055-056-058-060-065-281300-

/O.CON.KSGX.HW.W.0005.160328T1900Z-160329T1000Z/

SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-

SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-

SAN GORGONIO PASS NEAR BANNING-

951 PM PDT SUN MAR 27 2016

...HIGH WIND WARNING REMAINS IN EFFECT FROM NOON MONDAY TO 3 AM  
PDT TUESDAY...

\* WINDS...WEST WINDS 25 TO 40 MPH WITH GUSTS TO 60 MPH. STRONGEST  
GUSTS 75 TO 90 MPH MONDAY EVENING THROUGH LATE MONDAY NIGHT  
ALONG THE DESERT SLOPES.

\* TIMING...WINDS INCREASING ON MONDAY...WITH STRONGEST WINDS  
MONDAY EVENING...SUBSIDING TUESDAY MORNING.

\* LOCATION...STRONGEST WINDS WILL BE NEAR MOUNTAIN RIDGE TOPS  
AND ALONG DESERT MOUNTAIN SLOPES...AND ACROSS THE NORTHERN  
COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.

\* VISIBILITY...COULD BE REDUCED TO NEAR ZERO DURING TIMES OF BLOWING  
SAND AND DUST IN THE DESERTS.

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR  
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE  
LIMBS AND OTHER DEBRIS. LOCAL STRUCTURAL DAMAGE IS POSSIBLE NEAR  
THE DESERT FOOTHILLS. WINDS OF THIS MAGNITUDE COULD CAUSE  
ISOLATED PROPERTY DAMAGE AND POWER OUTAGES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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JMB

WEATHER.GOV/SANDIEGO

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WWUS76 KSGX 280939  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
239 AM PDT MON MAR 28 2016

...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR THIS  
AFTERNOON AND TONIGHT...

...GUSTY WEST WINDS FOR THE ORANGE COUNTY COAST FOR THIS AFTERNOON  
AND EVENING...

.A LOW PRESSURE SYSTEM MOVING SOUTHWARD THROUGH THE WESTERN  
STATES WILL BRING INCREASING ONSHORE FLOW ACROSS SOUTHERN  
CALIFORNIA. WEST WINDS WILL STRENGTHEN ACROSS THE MOUNTAINS AND  
DESERTS TODAY WITH STRONGEST GUSTS FOR THIS EVENING THROUGH LATE  
TONIGHT.

CAZ055-056-058-060>062-065-282130-  
/O.CON.KSGX.HW.W.0005.160328T1900Z-160329T1000Z/  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
SAN GORGONIO PASS NEAR BANNING-  
239 AM PDT MON MAR 28 2016

...HIGH WIND WARNING REMAINS IN EFFECT FROM NOON TODAY TO 3 AM  
PDT TUESDAY...

\* WINDS...AREAS OF SOUTHWEST TO WEST WINDS 30 TO 40 MPH WITH  
GUSTS TO 55 MPH. STRONGEST GUSTS TO 75 MPH FOR THIS EVENING  
THROUGH LATE TONIGHT.

\* LOCATION...STRONGEST WINDS NEAR MOUNTAIN RIDGE TOPS...ALONG  
DESERT MOUNTAIN SLOPES INTO ADJACENT DESERT AREAS...AND IN THE  
NORTHERN COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.

\* TIMING...WINDS STRENGTHENING TODAY...PEAKING THIS EVENING  
THROUGH LATE TONIGHT...THEN DIMINISHING SOME ON TUESDAY.

\* VISIBILITY...IN THE DESERTS REDUCED TO NEAR ZERO AT TIMES IN  
BLOWING SAND AND DUST.

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR  
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE  
LIMBS AND OTHER DEBRIS. THE STRONGEST GUSTS COULD CAUSE  
ISOLATED PROPERTY DAMAGE AND POWER OUTAGES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS

**March 28, 2016 Exceptional Event, Imperial County****Appendix A Supplemental**

OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ552-282130-  
/O.NEW.KSGX.WI.Y.0019.160328T1900Z-160329T0400Z/  
ORANGE COUNTY COASTAL AREAS-  
239 AM PDT MON MAR 28 2016

...WIND ADVISORY IN EFFECT FROM NOON TODAY TO 9 PM PDT THIS  
EVENING...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND  
ADVISORY...WHICH IS IN EFFECT FROM NOON TODAY TO 9 PM PDT THIS  
EVENING.

\* WINDS...AREAS OF WEST TO NORTHWEST WINDS 15 TO 25 MPH WITH GUSTS  
TO 35 MPH.

\* TIMING...STRONGEST GUSTS FOR THIS EVENING...SUBSIDING LATE  
TONIGHT.

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR  
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE  
LIMBS...DOWNED PALM FRONDS...AND OTHER DEBRIS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

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**IOWA STATE  
UNIVERSITY**

College of Ag

Department of Agronomy

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WWUS75 KPSR 281006

NPWPSR

URGENT - WEATHER MESSAGE

NATIONAL WEATHER SERVICE PHOENIX AZ

306 AM MST MON MAR 28 2016

...WINDY CONDITIONS MONDAY AFTERNOON AND EVENING ACROSS SOUTHEAST CALIFORNIA AND WESTERN ARIZONA...

AZZ020-021-CAZ030>033-282200-

/O.CON.KPSR.WI.Y.0005.160328T2000Z-160329T0500Z/

LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-

JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-

RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-

INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...

QUARTZSITE...SALOME...COTTONWOOD VISITOR CENTER...KEYS VIEW...

LOST HORSE...BLYTHE...CHIRIACO SUMMIT...DESERT CENTER...

EAGLE MOUNTAIN...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...

IMPERIAL...THE SALTON SEA

306 AM MST MON MAR 28 2016 /306 AM PDT MON MAR 28 2016/

...WIND ADVISORY REMAINS IN EFFECT FROM 1 PM MST /1 PM PDT/ THIS AFTERNOON TO 10 PM MST /10 PM PDT/ THIS EVENING...

\* AFFECTED AREA...SOUTHEAST CALIFORNIA INCLUDING JOSHUA TREE NATIONAL PARK AS WELL AS INTERSTATE 8 AND 10 THROUGH THE CITIES OF EL CENTRO AND BLYTHE. WEST CENTRAL ARIZONA INCLUDING HIGHWAYS 95 AND 72 THROUGH THE CITIES OF QUARTZSITE AND PARKER.

\* TIMING...STRONG WINDS BEGINNING THIS AFTERNOON AND CONTINUING INTO THE EVENING HOURS.

\* WINDS...SOUTHWEST WINDS AROUND 30 MPH WITH FREQUENT GUSTS TO 45 MPH.

\* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND MAY LEAD TO SIGNIFICANTLY LOWERED VISIBILITIES FURTHER EXACERBATING DANGEROUS DRIVING CONDITIONS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN 30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND 58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY

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FXUS65 KPSR 281020

AFDPSR

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE PHOENIX AZ

320 AM MST MON MAR 28 2016

.SYNOPSIS...

A STRONG WEATHER SYSTEM WILL BRING WINDY CONDITIONS THIS AFTERNOON AND EVENING WITH BLOWING DUST AT TIMES. THE SYSTEM WILL ALSO USHER IN MUCH COOLER TEMPERATURES BEGINNING TUESDAY. IN FACT TEMPERATURES WILL BE WELL BELOW NORMAL TUESDAY AND WEDNESDAY BEFORE A WARMING TREND BEGINS THURSDAY. PRECIPITATION CHANCES WILL BE QUITE MODEST AND LIMITED TO THE HIGHER TERRAIN. OVER THE WEEKEND...TEMPERATURES CLIMB ABOVE NORMAL.

&&

.DISCUSSION...

TODAY THROUGH THURSDAY...

THE WEATHER SYSTEM OF INTEREST FOR OUR FORECAST AREA IS COVERING MUCH OF THE WESTERN CONUS EARLY THIS MORNING. THE ASSOCIATED COLD FRONT HAS REACHED SOUTHERN NEVADA AND PORTIONS OF SOUTHERN CALIFORNIA AS OF THIS WRITING. THE SYSTEM WILL CONTINUE TO ADVANCE SOUTHEASTWARD AS AN UPSTREAM RIDGE AMPLIFIES IN RESPONSE TO DEEPENING TROUGH OVER THE NORTH-CENTRAL PACIFIC. THE COLD FRONT WILL MOVE ACROSS SOUTHEAST CALIFORNIA THIS AFTERNOON...ACROSS WESTERN AND CENTRAL ARIZONA TONIGHT...AND REACH THE NEW MEXICO BORDER BY MIDDAY TUESDAY. THE MAIN CONCERN FOR TODAY IS THE WIND THIS AFTERNOON AND EVENING. AS IS OFTEN THE CASE...STRONGEST WINDS OVER OUR FORECAST AREA WILL BE SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA AND AN ADVISORY REMAINS IN EFFECT THERE...LESS WIND OVER SOUTH-CENTRAL ARIZONA. THE STRONG WINDS WILL OF COURSE KICK UP THE DUST. CONDITIONS WILL STILL BE BREEZY TUESDAY. THERE ARE STRONG HEIGHT FALLS AND DIV Q FORCING WITH THIS SYSTEM. HOWEVER...WITH MUCH OF THE SYSTEM TAKING AN OVERLAND TRAJECTORY ALONG WITH A POSITIVE TILT TO THE TROUGH PLUS RAIN SHADOWING EFFECTS...THERE WILL NOT BE MUCH MOISTURE ADVECTION FOR OUR AREA. THUS PRECIPITATION POTENTIAL CONTINUES TO BE LIMITED PRIMARILY TO THE NORTHERN HALF OF ARIZONA TUESDAY INTO THURSDAY...MAINLY TUESDAY.

MUCH COOLER TEMPERATURES ARE IN STORE THOUGH. IN FACT...DESERT HIGHS WILL BE IN THE UPPER 60S TO LOW 70S TUESDAY AND WEDNESDAY WITH THE UPPER TROUGH LINGERING OVER THE GREAT BASIN AND DESERT SOUTHWEST. THE TROUGH STARTS DEPARTING THURSDAY AND TEMPERATURES START TO WARM UP BUT WITH READINGS STILL BELOW NORMAL.

FRIDAY THROUGH SUNDAY...

THE RIDGE BUILDS OVER THE INTERIOR WEST FRIDAY AND SATURDAY WITH TEMPERATURES CLIMBING ABOVE NORMAL AS A RESULT. MODELS DIVERGE MORE NOTICEABLY ON SUNDAY WITH GFS AND CMC FLATTENING THE RIDGE WHILE THE ECMWF DEPICTS A HIGHER AMPLITUDE. DIFFERENCES ARE NOT THAT GREAT IN REALITY. DIFFERENCES ARE MAINLY ASSOCIATED WITH HOW THEY HANDLE AN UPSTREAM TROUGH. ANTICIPATE ADDITIONAL WARMING SUNDAY AS THE LOWER LEVELS REALIZE THE FULL SUBSIDENCE WARMING FROM ALOFT.

&&

.AVIATION...

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...

STRONGER WIND GUSTS DEVELOPING MONDAY AFTERNOON WILL BE THE PRIMARY AVIATION IMPACT WITH ONLY FEW-SCT MIDLEVEL DECKS BELOW AN INCREASING THICKER CIRRUS LAYER. AN EASTERLY SFC WIND SHOULD MATERIALIZE EARLY TONIGHT VERSUS SATURDAY NIGHT...THEN BECOME A SOUTHERLY CROSS RUNWAY COMPONENT LATE MONDAY MORNING. A FEW GUSTS TO 20KT MAY BE POSSIBLE WITH THIS CROSS WIND COMPONENT...BEFORE DIRECTIONS VEER MORE TOWARDS A SOUTHWEST DIRECTION BY MID AFTERNOON. CONFIDENCE IS VERY GOOD THAT GUSTS 25-30KT WILL BE LIKELY LATER MONDAY AFTERNOON.

SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...

VERY STRONG AND GUSTY WINDS ALONG WITH BLOWING DUST WILL BE THE MAIN AVIATION IMPACTS MONDAY AFTERNOON. WITH ONLY PERIODIC HIGH CLOUDS...SFC WINDS THROUGH TONIGHT WILL REMAIN RATHER LIGHT FROM THE SOUTH OR SOUTHWEST...LIKELY BECOMING VARIABLE FOR AN EXTENDED PERIOD AROUND SUNRISE. STRONGER SPEEDS WITH OCCASIONAL GUSTS WILL BEGIN LATER MONDAY MORNING...WITH VERY STRONG GUSTS DEVELOPING BY EARLY AFTERNOON. CONFIDENCE IS VERY GOOD THAT FREQUENT SOUTHWEST GUSTS 30-40KT ALONG WITH BLOWING DUST OCCASIONALLY REDUCING VSBY INTO A MVFR CATEGORY WILL IMPACT TERMINAL SITES LATER MONDAY AFTERNOON.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...

TUESDAY THROUGH SATURDAY...

A DEEP LOW PRESSURE SYSTEM WILL AFFECT THE REGION TUESDAY THROUGH FRIDAY...WITH SLIGHT CHANCES OF SHOWERS MAINLY OVER THE HIGHER TERRAIN WELL EAST OF PHOENIX. WINDS WILL BE QUITE BREEZY TUESDAY ACROSS EASTERN ARIZONA WITH MINIMUM HUMIDITIES REMAINING SOMEWHAT ELEVATED. TEMPERATURES WILL ALSO BE COOLER TUESDAY/WEDNESDAY WITH HIGHS OVER THE LOWER DESERTS IN THE UPPER 60S TO LOWER 70S. HIGH PRESSURE WILL GRADUALLY SETTLE BACK INTO THE REGION SATURDAY WITH WARMING TEMPERATURES AND DRYING CONDITIONS. WINDS WILL GENERALLY BE LIGHT STARTING WEDNESDAY WHILE MINIMUM AFTERNOON HUMIDITIES WILL FALL BACK INTO THE TEENS.

&&

.SPOTTER INFORMATION STATEMENT...  
SPOTTER ACTIVATION IS NOT EXPECTED.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...  
AZ...WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 10 PM MST THIS EVENING  
FOR AZZ020-021.

CA...WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 10 PM PDT THIS EVENING  
FOR CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...AJ  
AVIATION...MO  
FIRE WEATHER...KUHLMAN/MEYERS

# IOWA STATE UNIVERSITY

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FXUS66 KSGX 281040  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
340 AM PDT MON MAR 28 2016

.SYNOPSIS...

THROUGH WEDNESDAY...A COLD LOW PRESSURE SYSTEM MOVING SOUTHWARD THROUGH THE WESTERN STATES WILL BRING STRONGER ONSHORE FLOW WITH COOLING...PERIODS OF SHOWERS ALONG AND WEST OF THE MOUNTAINS WITH GREATEST COVERAGE AND AMOUNTS IN THE MOUNTAINS...AND PERIODS OF GUSTY WEST WINDS IN THE MOUNTAINS AND DESERTS...STRONGEST THIS AFTERNOON THROUGH TONIGHT. WARMER AND DRY TOWARDS THE END OF NEXT WEEK AS HIGH PRESSURE ALOFT RETURNS ALONG THE WEST COAST.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH WEDNESDAY)...

A COLD LOW PRESSURE SYSTEM OVER THE PACIFIC NORTHWEST WILL MOVE INTO THE GREAT BASIN AND SOUTHWEST STATES FOR TUESDAY AND WEDNESDAY. THIS WILL BRING MUCH STRONGER ONSHORE FLOW ACROSS SOUTHERN CALIFORNIA TODAY AND TONIGHT...WHICH WILL WEAKEN SOME FOR TUESDAY AND WEDNESDAY. THIS WILL BRING COOLING WITH HIGH TEMPERATURES A LITTLE BELOW AVERAGE NEAR THE COAST...TO AROUND 10 DEGREES BELOW AVERAGE FOR INLAND AREAS. WINDS WILL BE STRONGEST FOR THIS AFTERNOON AND TONIGHT FOR THE MOUNTAINS AND DESERTS WITH STRONGEST GUSTS TO AROUND 75 MPH FOR THIS EVENING THROUGH LATE TONIGHT. STRONGER WINDS ACROSS THE COASTAL WATERS WILL EXTEND INTO AREAS NEAR THE ORANGE COUNTY COAST FOR THIS AFTERNOON AND EVENING WITH STRONGEST GUSTS EXPECTED EARLY THIS EVENING.

THROUGH WEDNESDAY...THE ONSHORE FLOW AND LOWER LEVEL MOISTURE WILL BRING PERIODS OF SHOWERS ALONG AND WEST OF THE MOUNTAINS WITH GREATEST COVERAGE AND AMOUNTS IN THE MOUNTAINS AND LESS TOWARDS THE COAST. FOR ORANGE COUNTY...THE INLAND EMPIRE...AND SURROUNDING MOUNTAINS...RAINFALL COULD RANGE FROM AROUND ONE TENTH INCH NEAR THE COAST TO ONE HALF TO ONE INCH IN THE MOUNTAINS WITH LOCALLY GREATER AMOUNTS. FOR SAN DIEGO COUNTY...RAINFALL COULD RANGE FROM ONE QUARTER INCH OR LESS NEAR THE COAST TO ONE HALF TO THREE QUARTERS OF AN INCH IN THE MOUNTAINS WITH LOCALLY GREATER AMOUNTS. SNOW LEVELS WILL LOWER TO 5000 TO 5500 FEET FOR LATE TONIGHT INTO WEDNESDAY WITH A FEW INCHES OF SNOWFALL ABOVE 5500 FEET AND LOCAL AMOUNTS EXCEEDING 6 INCHES ABOVE 7000 FEET.

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.LONG TERM (THURSDAY THROUGH SUNDAY)...

**March 28, 2016 Exceptional Event, Imperial County****Appendix A Supplemental**

THE CIRCULATION AROUND UPPER LEVEL LOW PRESSURE CENTERED NEAR YUMA ON THURSDAY COULD BRING SOME CLOUDS AND A SLIGHT CHANCE OF SHOWERS TO THE MOUNTAINS ON THURSDAY. HIGH PRESSURE ALOFT ALONG THE WEST COAST ON FRIDAY WILL WEAKEN AND MOVE INLAND ON THE WEEKEND. HIGH TEMPERATURES NEAR TO A LITTLE BELOW AVERAGE ON THURSDAY WILL WARM TO A LITTLE ABOVE AVERAGE ON FRIDAY AND AROUND 5 TO 10 DEGREES ABOVE AVERAGE FOR INLAND AREAS FOR NEXT WEEKEND.

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.AVIATION...

280900Z...COAST/VALLEYS/COASTAL MTN SLOPES...LOW CLOUDS WILL FILL THE COASTAL BASIN UP TO THE MOUNTAIN SLOPES. BASES WILL BE AROUND 2000-3000 FEET MSL WITH TOPS RISING TO 6000 FEET. LOCALLY REDUCED VIS ON COASTAL MOUNTAIN SLOPES IN FOG. SCATTERED -SHRA EXPECTED TODAY MOST LIKELY THROUGH 19Z. COASTAL AIRPORTS COULD GET INTERMITTENT SCATTER OUT AFTER 22Z.

MTN RIDGES/DESERT MTN SLOPES/DESERTS...SCATTERED TO LOCALLY BROKEN CLOUDS TODAY PARTICULARLY IN MOUNTAINS. STRONG WESTERLY WINDS WILL CONTINUE ALONG THE RIDGES...DESERT SLOPES AND INTO ADJACENT DESERTS AREAS...PEAKING AFTER 23Z WITH LOCAL GUSTS EXCEEDING 50 KT. WINDS WILL CREATE MOD-STG UPDRAFTS AND LOCAL LLWS OVER IN LEE OF MOUNTAINS ALONG WITH A ROTOR VCNTY KPSP.

&&

.MARINE...

200 AM...STRONG WEST TO NORTHWEST WINDS WILL DEVELOP THIS AFTERNOON AND CONTINUE THROUGH TUESDAY. STEEP HAZARDOUS SEAS WILL RESULT. STRONGEST WINDS AND HIGHEST SEAS WILL OCCUR THIS EVENING AND LOCAL WIND GUSTS COULD APPROACH GALE FORCE. CHECK THE SMALL CRAFT ADVISORY FOR DETAILS...LAXMWSGX. CONDITIONS WILL GRADUALLY IMPROVE TUESDAY NIGHT THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM NOON TODAY TO 3 AM PDT TUESDAY FOR APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY DESERTS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

WIND ADVISORY FROM NOON TODAY TO 9 PM PDT THIS EVENING FOR ORANGE COUNTY COASTAL AREAS.

[March 28, 2016 Exceptional Event, Imperial County](#)[Appendix A Supplemental](#)

PZ...SMALL CRAFT ADVISORY FROM 2 PM THIS AFTERNOON TO 11 PM PDT  
TUESDAY FOR WATERS FROM SAN MATEO POINT TO THE MEXICAN  
BORDER EXTENDING 30 TO 60 NM OUT INCLUDING SAN CLEMENTE  
ISLAND.

SMALL CRAFT ADVISORY FROM 5 PM THIS AFTERNOON TO 11 AM PDT  
TUESDAY FOR COASTAL WATERS FROM SAN MATEO POINT TO THE  
MEXICAN BORDER AND OUT TO 30 NM.

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PUBLIC...17

AVIATION/MARINE...MM

# IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

## Department of Agronomy

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FXUS65 KPSR 281213 AAA

AFDPSR

AREA FORECAST DISCUSSION...UPDATED  
NATIONAL WEATHER SERVICE PHOENIX AZ  
510 AM MST MON MAR 28 2016

.UPDATE...UPDATED AVIATION AND FIRE WEATHER DISCUSSIONS.

&&

.SYNOPSIS...

A STRONG WEATHER SYSTEM WILL BRING WINDY CONDITIONS THIS AFTERNOON AND EVENING WITH BLOWING DUST AT TIMES. THE SYSTEM WILL ALSO USHER IN MUCH COOLER TEMPERATURES BEGINNING TUESDAY. IN FACT TEMPERATURES WILL BE WELL BELOW NORMAL TUESDAY AND WEDNESDAY BEFORE A WARMING TREND BEGINS THURSDAY. PRECIPITATION CHANCES WILL BE QUITE MODEST AND LIMITED TO THE HIGHER TERRAIN. OVER THE WEEKEND...TEMPERATURES CLIMB ABOVE NORMAL.

&&

.DISCUSSION...

TODAY THROUGH THURSDAY...

THE WEATHER SYSTEM OF INTEREST FOR OUR FORECAST AREA IS COVERING MUCH OF THE WESTERN CONUS EARLY THIS MORNING. THE ASSOCIATED COLD FRONT HAS REACHED SOUTHERN NEVADA AND PORTIONS OF SOUTHERN CALIFORNIA AS OF THIS WRITING. THE SYSTEM WILL CONTINUE TO ADVANCE SOUTHEASTWARD AS AN UPSTREAM RIDGE AMPLIFIES IN RESPONSE TO DEEPENING TROUGH OVER THE NORTH-CENTRAL PACIFIC. THE COLD FRONT WILL MOVE ACROSS SOUTHEAST CALIFORNIA THIS AFTERNOON...ACROSS WESTERN AND CENTRAL ARIZONA TONIGHT...AND REACH THE NEW MEXICO BORDER BY MIDDAY TUESDAY. THE MAIN CONCERN FOR TODAY IS THE WIND THIS AFTERNOON AND EVENING. AS IS OFTEN THE CASE...STRONGEST WINDS OVER OUR FORECAST AREA WILL BE SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA AND AN ADVISORY REMAINS IN EFFECT THERE...LESS WIND OVER SOUTH-CENTRAL ARIZONA. THE STRONG WINDS WILL OF COURSE KICK UP THE DUST. CONDITIONS WILL STILL BE BREEZY TUESDAY. THERE ARE STRONG HEIGHT FALLS AND DIV Q FORCING WITH THIS SYSTEM. HOWEVER...WITH MUCH OF THE SYSTEM TAKING AN OVERLAND TRAJECTORY ALONG WITH A POSITIVE TILT TO THE TROUGH PLUS RAIN SHADOWING EFFECTS...THERE WILL NOT BE MUCH MOISTURE ADVECTION FOR OUR AREA. THUS PRECIPITATION POTENTIAL CONTINUES TO BE LIMITED PRIMARILY TO THE NORTHERN HALF OF ARIZONA TUESDAY INTO THURSDAY...MAINLY TUESDAY.

MUCH COOLER TEMPERATURES ARE IN STORE THOUGH. IN FACT...DESERT HIGHS WILL BE IN THE UPPER 60S TO LOW 70S TUESDAY AND WEDNESDAY WITH THE

UPPER TROUGH LINGERING OVER THE GREAT BASIN AND DESERT SOUTHWEST. THE TROUGH STARTS DEPARTING THURSDAY AND TEMPERATURES START TO WARM UP BUT WITH READINGS STILL BELOW NORMAL.

FRIDAY THROUGH SUNDAY...

THE RIDGE BUILDS OVER THE INTERIOR WEST FRIDAY AND SATURDAY WITH TEMPERATURES CLIMBING ABOVE NORMAL AS A RESULT. MODELS DIVERGE MORE NOTICEABLY ON SUNDAY WITH GFS AND CMC FLATTENING THE RIDGE WHILE THE ECMWF DEPICTS A HIGHER AMPLITUDE. DIFFERENCES ARE NOT THAT GREAT IN REALITY. DIFFERENCES ARE MAINLY ASSOCIATED WITH HOW THEY HANDLE AN UPSTREAM TROUGH. ANTICIPATE ADDITIONAL WARMING SUNDAY AS THE LOWER LEVELS REALIZE THE FULL SUBSIDENCE WARMING FROM ALOFT.

&&

.AVIATION...

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...

STRONGER WIND GUSTS DEVELOPING THIS AFTERNOON WILL BE THE PRIMARY AVIATION IMPACT WITH ONLY FEW-SCT MIDLEVEL DECKS BELOW AN INCREASING THICKER CIRRUS LAYER. AN EASTERLY SFC WIND THIS MORNING WILL SHIFT TOWARDS A SOUTHERLY CROSS RUNWAY COMPONENT LATE THIS MORNING. A FEW GUSTS TO 20KT MAY BE POSSIBLE WITH THIS CROSS WIND COMPONENT... BEFORE DIRECTIONS VEER MORE TOWARDS A SOUTHWEST DIRECTION BY MID AFTERNOON. CONFIDENCE IS VERY GOOD THAT GUSTS 25-30KT WILL BE LIKELY LATER THIS AFTERNOON.

EXPECT WINDS TO PERSIST WITH A WESTERLY COMPONENT PAST MIDNIGHT AND OVER MOST OF THE NIGHTTIME HOURS TONIGHT. ALSO...MAY SEE CONDITIONS APPROACHING LOW LEVEL WIND SHEAR CRITERIA AT THE TAF SITES...

INCLUDING KPHX...AFTER 9PM AS SURFACE WINDS DECOUPLE A BIT AND 30 PLUS KNOTS REMAIN FROM THE SOUTHWEST NEAR 2K FEET. FINALLY...WE MAY SEE SCT-BKN DECKS 6-8K FEET DEVELOP AFTER 06Z AND PERSIST INTO TUE MORNING BUT DO NOT EXPECT CIGS TO FALL AS LOW AS 5K AT PHOENIX OVERNIGHT.

SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH... VERY STRONG AND GUSTY WINDS ALONG WITH BLOWING DUST WILL BE THE MAIN AVIATION IMPACTS THIS AFTERNOON. LIGHT VARIABLE TO SOUTHWEST WINDS WILL INCREASE AND BECOME STRONGER WITH OCCASIONAL GUSTS LATER THIS MORNING...WITH VERY STRONG GUSTS DEVELOPING BY EARLY AFTERNOON. CONFIDENCE IS VERY GOOD THAT FREQUENT SOUTHWEST GUSTS 30-40KT ALONG WITH BLOWING DUST OCCASIONALLY REDUCING VSBY INTO A MVFR CATEGORY WILL IMPACT TERMINAL SITES LATER THIS AFTERNOON. AFTER 03Z EXPECT PERSISTENT GUSTY SOUTHWEST WINDS NEAR 20KT AT THE TAF SITES CONTINUING WELL PAST MIDNIGHT.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...

WEDNESDAY THROUGH SUNDAY...A DEEP LOW PRESSURE SYSTEM WILL CONTINUE TO AFFECT THE REGION WEDNESDAY THROUGH FRIDAY...WITH SLIGHT CHANCES OF SHOWERS MAINLY OVER THE HIGHER TERRAIN WELL EAST OF PHOENIX ON WEDNESDAY WITH DRIER CONDITIONS FOLLOWING. LESS WIND IS EXPECTED BY WEDNESDAY ALTHOUGH IT WILL BE BREEZY AT TIMES DURING THE AFTERNOON THURSDAY AND FRIDAY OVER SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA. MUCH COOLER HIGH TEMPERATURES WILL PERSIST WEDNESDAY WITH READINGS STAYING BELOW NORMAL UNTIL FRIDAY WHEN HIGHS WILL WARM INTO THE 80S OVER THE LOWER DESERTS. HUMIDITIES WILL STAY SOMEWHAT ELEVATED ON WEDNESDAY WITH READINGS MOSTLY 15 TO 25 PERCENT...WITH GRADUAL DRYING INTO FRIDAY. BY FRIDAY MANY LOWER DESERTS WILL FALL TO AROUND 10 PERCENT MINIMUM HUMIDITY. HIGH PRESSURE WILL GRADUALLY SETTLE BACK INTO THE REGION OVER THE WEEKEND WITH WARMING TEMPERATURES AND CONTINUED RELATIVELY DRY CONDITIONS.

&&

.SPOTTER INFORMATION STATEMENT...  
SPOTTER ACTIVATION IS NOT EXPECTED.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...  
AZ...WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 10 PM MST THIS EVENING  
FOR AZZ020-021.

CA...WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 10 PM PDT THIS EVENING  
FOR CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...AJ  
AVIATION...CB/MO  
FIRE WEATHER...CB/KUHLMAN/MEYERS

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FXUS65 KPSR 281601

AFDPSR

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE PHOENIX AZ

901 AM MST MON MAR 28 2016

.SYNOPSIS...

A STRONG WEATHER SYSTEM WILL BRING WINDY CONDITIONS THIS AFTERNOON AND EVENING WITH BLOWING DUST AT TIMES. THE SYSTEM WILL ALSO USHER IN MUCH COOLER TEMPERATURES BEGINNING TUESDAY. IN FACT TEMPERATURES WILL BE WELL BELOW NORMAL TUESDAY AND WEDNESDAY BEFORE A WARMING TREND BEGINS THURSDAY. PRECIPITATION CHANCES WILL BE QUITE MODEST AND LIMITED TO THE HIGHER TERRAIN. OVER THE WEEKEND...TEMPERATURES CLIMB ABOVE NORMAL.

&&

.DISCUSSION...

A PRE-FRONTAL REGIME CHARACTERIZES THE CURRENT SETUP ACROSS THE DESERT SOUTHWEST. MORNING DOWNSLOPE FLOW ACROSS SOUTH-CENTRAL AZ HAS BEEN STRONGER THAN NORMAL AS WELL AS SOUTHERLY FLOW UP THE CO RIVER VALLEY. HOWEVER...LOW-MID LEVEL WINDS ON AREA SOUNDINGS ARE FAR FROM BEING OFF THE CHART WITH REGARDS TO CLIMATOLOGY. THE SCENARIO IS A BIT CLEARER WHEN VIEWING THE NAEFS ANOMALIES...AS THE STRONGEST VALUES ARE STILL WELL OFF TO THE WEST AND DEVELOP LATER IN THE DAY AS THE DEEP-LAYERED LOW PRESSURE SYSTEM ACROSS THE GREAT BASIN DRIFTS FURTHER SOUTH AND EASTWARD.

NO SIGNIFICANT CHANGES TO THE FORECAST ARE ANTICIPATED THIS MORNING. STILL EXPECTING BREEZY/WINDY CONDITIONS TO DEVELOP THIS AFTERNOON WITH AREAS OF BLOWING DUST AND REDUCED VSBYS POSSIBLE. TEMPERATURES WILL REMAIN A BIT ABOVE AVERAGE BEFORE A SIGNIFICANT COOLDOWN ARRIVES TOMORROW.

&&

.PREVIOUS DISCUSSION...

TODAY THROUGH THURSDAY...

THE WEATHER SYSTEM OF INTEREST FOR OUR FORECAST AREA IS COVERING MUCH OF THE WESTERN CONUS EARLY THIS MORNING. THE ASSOCIATED COLD FRONT HAS REACHED SOUTHERN NEVADA AND PORTIONS OF SOUTHERN CALIFORNIA AS OF THIS WRITING. THE SYSTEM WILL CONTINUE TO ADVANCE SOUTHEASTWARD AS AN UPSTREAM RIDGE AMPLIFIES IN RESPONSE TO DEEPENING TROUGH OVER THE NORTH-CENTRAL PACIFIC. THE COLD FRONT WILL MOVE ACROSS SOUTHEAST CALIFORNIA THIS AFTERNOON...ACROSS WESTERN AND CENTRAL ARIZONA

TONIGHT...AND REACH THE NEW MEXICO BORDER BY MIDDAY TUESDAY. THE MAIN CONCERN FOR TODAY IS THE WIND THIS AFTERNOON AND EVENING. AS IS OFTEN THE CASE...STRONGEST WINDS OVER OUR FORECAST AREA WILL BE SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA AND AN ADVISORY REMAINS IN EFFECT THERE...LESS WIND OVER SOUTH-CENTRAL ARIZONA. THE STRONG WINDS WILL OF COURSE KICK UP THE DUST. CONDITIONS WILL STILL BE BREEZY TUESDAY. THERE ARE STRONG HEIGHT FALLS AND DIV Q FORCING WITH THIS SYSTEM. HOWEVER...WITH MUCH OF THE SYSTEM TAKING AN OVERLAND TRAJECTORY ALONG WITH A POSITIVE TILT TO THE TROUGH PLUS RAIN SHADOWING EFFECTS...THERE WILL NOT BE MUCH MOISTURE ADVECTION FOR OUR AREA. THUS PRECIPITATION POTENTIAL CONTINUES TO BE LIMITED PRIMARILY TO THE NORTHERN HALF OF ARIZONA TUESDAY INTO THURSDAY...MAINLY TUESDAY.

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THE RIDGE BUILDS OVER THE INTERIOR WEST FRIDAY AND SATURDAY WITH TEMPERATURES CLIMBING ABOVE NORMAL AS A RESULT. MODELS DIVERGE MORE NOTICEABLY ON SUNDAY WITH GFS AND CMC FLATTENING THE RIDGE WHILE THE ECMWF DEPICTS A HIGHER AMPLITUDE. DIFFERENCES ARE NOT THAT GREAT IN REALITY. DIFFERENCES ARE MAINLY ASSOCIATED WITH HOW THEY HANDLE AN UPSTREAM TROUGH. ANTICIPATE ADDITIONAL WARMING SUNDAY AS THE LOWER LEVELS REALIZE THE FULL SUBSIDENCE WARMING FROM ALOFT.

&&

.AVIATION...

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EXPECT WINDS TO PERSIST WITH A WESTERLY COMPONENT PAST MIDNIGHT AND OVER MOST OF THE NIGHTTIME HOURS TONIGHT. ALSO...MAY SEE CONDITIONS APPROACHING LOW LEVEL WIND SHEAR CRITERIA AT THE TAF SITES... INCLUDING KPHX...AFTER 9PM AS SURFACE WINDS DECOUPLE A BIT AND 30 PLUS KNOTS REMAIN FROM THE SOUTHWEST NEAR 2K FEET. FINALLY...WE MAY SEE SCT-BKN DECKS 6-8K FEET DEVELOP AFTER 06Z AND PERSIST INTO TUE MORNING BUT DO NOT EXPECT CIGS TO FALL AS LOW AS 5K AT PHOENIX OVERNIGHT.



SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...  
VERY STRONG AND GUSTY WINDS ALONG WITH BLOWING DUST WILL BE THE MAIN  
AVIATION IMPACTS THIS AFTERNOON. LIGHT VARIABLE TO SOUTHWEST WINDS  
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CONFIDENCE IS VERY GOOD THAT FREQUENT SOUTHWEST GUSTS 30-40KT ALONG  
WITH BLOWING DUST OCCASIONALLY REDUCING VSBY INTO A MVFR CATEGORY  
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PERSISTENT GUSTY SOUTHWEST WINDS NEAR 20KT AT THE TAF SITES  
CONTINUING WELL PAST MIDNIGHT.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...

WEDNESDAY THROUGH SUNDAY...A DEEP LOW PRESSURE SYSTEM WILL CONTINUE  
TO AFFECT THE REGION WEDNESDAY THROUGH FRIDAY...WITH SLIGHT CHANCES  
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MUCH COOLER HIGH TEMPERATURES WILL PERSIST WEDNESDAY WITH READINGS  
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BACK INTO THE REGION OVER THE WEEKEND WITH WARMING TEMPERATURES AND  
CONTINUED RELATIVELY DRY CONDITIONS.

&&

.SPOTTER INFORMATION STATEMENT...  
SPOTTER ACTIVATION IS NOT EXPECTED.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...  
AZ...WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 10 PM MST THIS EVENING  
FOR AZZ020-021.

CA...WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 10 PM PDT THIS EVENING  
FOR CAZ030>033.

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AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
959 AM PDT MON MAR 28 2016

.SYNOPSIS...

COOL AND CLOUDY SKIES WITH SCATTERED LIGHT SHOWERS AND DRIZZLE OVER AND WEST OF THE MOUNTAINS INTO WEDNESDAY. WINDS WILL BE VERY STRONG OVER THE DESERT MOUNTAIN SLOPES AND DESERTS TODAY. WINDS MAY BE LOCALLY DAMAGING...AND WILL PRODUCE AREAS OF BLOWING DUST AND SAND OVER THE DESERTS. QUIETER WEATHER AND A WARMING TREND WILL DEVELOP THURSDAY AND CONTINUE INTO THE WEEKEND.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

AT 930 AM...A BROAD TROUGH WAS DIGGING DOWN THE WEST COAST. WV IMAGERY CLEARLY INDICATED A STRONG UPPER LEVEL JET NOSING INTO NORTHERN CA. OVER SOUTHERN CA...SATELLITE IMAGERY SHOWED STANDING WAVE CLOUDS OVER AND EAST OF THE MOUNTAINS...INDICATIVE OF GUSTY WINDS. SURFACE WINDS HAVE BEGUN TO INCREASE WITH GUSTS IN THE 25-40 MPH RANGE OVER THE DESERTS AND 40-55 MPH RANGE ALONG THE DESERTS MOUNTAIN SLOPES THIS MORNING. OVER AND WEST OF THE MOUNTAINS...SCATTERED LIGHT SHOWERS OR DRIZZLE CONTINUE THIS MORNING WITH A FEW GAGES SHOWING ACCUMULATIONS OF A COUPLE HUNDREDTHS OF AN INCH.

TODAY INTO TUESDAY...THE PRIMARY WEATHER IMPACT TODAY WILL BE THE DEVELOPMENT OF STRONG WINDS OVER THE DESERTS MOUNTAIN SLOPES AND DESERTS. THE STRONG UPPER JET CURRENTLY OVER NORTHERN CA WILL PROPAGATE SOUTHWARD TODAY. IN RESPONSE...A STRONG SURFACE LOW WILL DEVELOP OVER SOUTHERN NV...STRENGTHENING THE SAN-LAS GRADIENT TO 11-14 MB ONSHORE THIS EVENING. WHEN COMBINED WITH A DEVELOPING INVERSION JUST ABOVE MOUNTAIN TOP LEVEL AND THE ARRIVAL OF A 700 MB JET MAX NEAR 50 KT...VERY STRONG MOUNTAIN WAVE ACTIVITY IS EXPECTED TO DEVELOP THIS EVENING. WHERE THE WAVE ACTIVITY SURFACES ALONG THE DESERT MOUNTAIN SLOPES AND OVER THE DESERTS...GUSTS OF 60 TO 80 MPH ARE POSSIBLE THIS EVENING. WINDS WILL DECREASE SLOWLY BUT REMAIN GUSTY INTO TUESDAY. WIDELY SCATTERED LIGHT SHOWERS AND DRIZZLE WILL CONTINUE OVER AND WEST OF THE MOUNTAINS...WITH THE BEST PRECIPITATION CHANCES ALONG THE COASTAL MOUNTAIN SLOPES. ACCUMULATIONS OF ONLY A TRACE TO 0.3 OF AN INCH ARE EXPECTED OVER THE COAST AND VALLEYS...WITH LOCAL AMOUNTS UP TO 0.75 INCHES ALONG THE COASTAL SLOPES.

WEDNESDAY INTO THE WEEKEND...LIGHT SHOWER ACTIVITY WILL REMAIN POSSIBLE OVER AND WEST OF THE MOUNTAINS ON WEDNESDAY WITH TROUGHING

March 28, 2016 Exceptional Event, Imperial County

Appendix A Supplemental

AND ONSHORE FLOW PERSISTING OVER THE REGION. WINDS HOWEVER WILL WEAKEN OVER THE DESERTS AND MOUNTAINS WEDNESDAY. UPPER-LEVEL RIDGING WILL BEGIN TO BUILD IN THURSDAY...PRODUCING A WARMING AND DRYING TREND FOR THE END OF THE WEEK AND WEEKEND.

&&

.AVIATION...

281639...COAST/VALLEYS/COASTAL MTN SLOPES...THROUGH TUESDAY MORNING...OVC-BKN CLOUD DECKS WITHIN THE 2000-8000 FT MSL LAYER...WITH ISOL-SCT DZ/-SHRA...MTN OBSCURATION OF SLOPES ABOVE 2000 FT MSL DUE TO CLOUDS/FOG/SHRA/SHSN...AND LOCAL VIS/BASES OF 2-5 SM/800-1000 FT MSL. W TO NW WINDS GUSTING 25-30 KT WILL BE POSSIBLE AT KSAN...KCRQ AND KSNA AT TIMES TODAY.

MTN RIDGES/DESERT MTN SLOPES/DESERTS...THROUGH TUESDAY MORNING...BKN-SCT CLOUD DECKS IN THE 2000-8000 FT MSL LAYER OVER RIDGES AND DESERT SLOPES WITH ISOL-SCT DZ/-SHRA...LOCAL VIS AOB 2 SM DUE TO FOG/SHRA/SHSN...WITH MAINLY SCT-FEW CLOUDS 3000-8000 FT MSL OVER THE DESERTS. SW TO W WINDS 15-20 KT GUSTING TO 35 KT THIS MORNING INCREASING TO 25-40 KT WITH GUSTS 50-60 KT BY 29/0000 UTC...RESULTING IN STG-SVR UDDFS/LLWS/ROTORS OVER AND E OR NE OF THE MTNS. BLOWING DUST/SAND IN THE DESERTS COULD REDUCE VIS TO AOB 1 SM. ALSO...STRONG NW SFC WIND GUSTS OF 30-40 KT WILL BE POSSIBLE AT KPSP AND KTRM THROUGH MOST OF THE DAY.

&&

.MARINE...

939 AM...AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL PRODUCE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED STEEP SEAS REACHING NEAR OR ABOVE 10 FEET THIS AFTERNOON THROUGH MOST OF TUESDAY. A SMALL CRAFT ADVISORY GOES INTO EFFECT FOR THE OUTER WATERS AT 2 PM AND FOR THE INNER WATERS AT 5 PM. SEE LAXMWSGX FOR MORE DETAILS. CONDITIONS WILL IMPROVE LATE TUESDAY NIGHT THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION WILL NOT BE NEEDED TODAY...BUT ANY REPORTS ARE APPRECIATED.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING UNTIL 3 AM PDT TUESDAY FOR APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY DESERTS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

**March 28, 2016 Exceptional Event, Imperial County****Appendix A Supplemental**

WIND ADVISORY UNTIL 9 PM PDT THIS EVENING FOR ORANGE COUNTY COASTAL AREAS.

PZ...SMALL CRAFT ADVISORY FROM 2 PM THIS AFTERNOON TO 11 PM PDT TUESDAY FOR WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING 30 TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

SMALL CRAFT ADVISORY FROM 5 PM THIS AFTERNOON TO 11 AM PDT TUESDAY FOR COASTAL WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT TO 30 NM.

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PUBLIC...ALBRIGHT  
AVIATION/MARINE...HARRISON

# IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

## Department of Agronomy

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URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
150 PM PDT MON MAR 28 2016

...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR THIS  
AFTERNOON AND TONIGHT...  
...GUSTY WEST WINDS FOR THE ORANGE COUNTY COAST FOR THIS  
AFTERNOON AND EVENING...

.A LOW PRESSURE SYSTEM MOVING SOUTHWARD THROUGH THE WESTERN  
US WILL BRING INCREASING ONSHORE FLOW ACROSS SOUTHERN CALIFORNIA.  
WEST WINDS WILL CONTINUE TO STRENGTHEN ACROSS THE MOUNTAINS AND  
DESERTS WITH THE STRONGEST GUSTS OCCURRING THIS EVENING THROUGH  
LATE TONIGHT.

CAZ055-056-058-060>062-065-290500-  
/O.CON.KSGX.HW.W.0005.000000T0000Z-160329T1000Z/  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
SAN GORGONIO PASS NEAR BANNING-  
150 PM PDT MON MAR 28 2016  
  
...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT TUESDAY...  
  
\* WINDS...AREAS OF WEST WINDS 30 TO 45 MPH WITH GUSTS TO 55 MPH.  
STRONGEST GUSTS TO 70 TO 80 MPH FOR THIS EVENING THROUGH LATE  
TONIGHT.

- \* LOCATION...STRONGEST WINDS NEAR MOUNTAIN RIDGE TOPS...ALONG  
DESERT MOUNTAIN SLOPES INTO ADJACENT DESERT AREAS...AND IN THE  
NORTHERN COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.
- \* TIMING...WINDS PEAKING THIS EVENING THROUGH LATE TONIGHT...THEN  
DIMINISHING SOME ON TUESDAY.
- \* VISIBILITY...IN THE DESERTS REDUCED TO NEAR ZERO AT TIMES IN  
BLOWING SAND AND DUST.
- \* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY  
FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN  
TREE LIMBS AND OTHER DEBRIS. THE STRONGEST GUSTS COULD CAUSE  
ISOLATED PROPERTY DAMAGE AND POWER OUTAGES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE. 154

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CAZ552-290400-  
/O.CON.KSGX.WI.Y.0019.000000T0000Z-160329T0400Z/  
ORANGE COUNTY COASTAL AREAS-  
150 PM PDT MON MAR 28 2016

...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING...

\* WINDS...AREAS OF WEST TO NORTHWEST WINDS 15 TO 25 MPH WITH  
GUSTS TO 35 MPH.

\* TIMING...STRONGEST GUSTS FOR THIS EVENING...SUBSIDING LATE  
TONIGHT.

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY  
FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN  
TREE LIMBS...DOWNED PALM FRONDS...AND OTHER DEBRIS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

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ALBRIGHT

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AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE PHOENIX AZ

201 PM MST MON MAR 28 2016

.SYNOPSIS...

A STRONG WEATHER SYSTEM WILL BRING WINDY CONDITIONS THIS AFTERNOON AND EVENING WITH BLOWING DUST AT TIMES. THE SYSTEM WILL ALSO USHER IN MUCH COOLER TEMPERATURES BEGINNING TUESDAY. IN FACT TEMPERATURES WILL BE WELL BELOW NORMAL TUESDAY AND WEDNESDAY BEFORE A WARMING TREND BEGINS THURSDAY. PRECIPITATION CHANCES WILL BE QUITE MODEST AND LIMITED TO THE HIGHER TERRAIN. OVER THE WEEKEND...TEMPERATURES CLIMB ABOVE NORMAL.

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.DISCUSSION...

CYCLONIC FLOW PREVAILS ACROSS THE WESTERN CONUS WITH A WELL-DEFINED VORT MAX ACROSS NORTHERN CA SPAWNING A LOW PRESSURE SYSTEM ACROSS NV. A PRE-FRONTAL REGIME CHARACTERIZES THE CURRENT SETUP ACROSS THE DESERT SOUTHWEST. WINDY CONDITIONS WITH GUSTS TO 35 MPH HAVE DEVELOPED ACROSS SOUTHEASTERN CA WITH SOMEWHAT WEAKER WINDS ACROSS SOUTH-CENTRAL AZ. LATEST OBSERVATIONS SUGGEST THERE ARE AREAS OF BLOWING DUST WITH MODERATELY REDUCED VSBYS...GENERALLY BETWEEN 5SM AND 10SM. THE THREAT FOR BLOWING DUST WILL CONTINUE THROUGH THIS EVENING ACROSS MUCH OF THE LOWER DESERTS UNTIL WINDS WEAKEN LATER THIS EVENING.

GLOBAL MODELS INDICATE SOME MODEST FORCING FOR ASCENT AND THIS IS ALREADY EVIDENT IN THE DEVELOPING ALTOCU FIELD ACROSS CENTRAL AND EASTERN AZ. ANOMALOUSLY STRONG WIND FIELDS ASSOCIATED WITH THE TROUGH WILL SUPPORT ADDITIONAL OROGRAPHIC LIFT AND LATEST UCAR ENSEMBLE AND LOCAL WRFS SUGGEST SOME POTENTIAL FOR SCATTERED SHOWERS ACROSS THE HIGHER TERRAIN EAST OF PHOENIX OVERNIGHT AND TUESDAY MORNING. LATEST GFS/GEFS ALSO INDICATES SUFFICIENT IVT FOR PRECIPITATION AND POPS WERE NUDGED UPWARD IN THESE AREAS. BIGGER STORY TUESDAY WILL BE THE DROP IN TEMPERATURES AS THE UPPER LOW DRIFTS SOUTH AND EASTWARD. LATEST GUIDANCE SUGGESTS HIGH TEMPERATURES WILL ONLY REACH THE UPPER 60S IN THE LOWER DESERTS...WHICH WOULD BE THE COOLEST DAY SINCE EARLY FEBRUARY. THE WELL-BELOW NORMAL TEMPERATURES COMBINED WITH A STEADY WEST WIND WILL ALSO MAKE IT FEEL CONSIDERABLY COOLER.

BELOW NORMAL TEMPERATURES WILL PERSIST WEDNESDAY/THURSDAY AS A REINFORCING VORT MAX ACROSS CA SLOWS THE EASTWARD PROGRESSION OF THE WESTERN CONUS TROUGH.

&&

.PREVIOUS DISCUSSION...

FRIDAY THROUGH SUNDAY...

THE RIDGE BUILDS OVER THE INTERIOR WEST FRIDAY AND SATURDAY WITH TEMPERATURES CLIMBING ABOVE NORMAL AS A RESULT. MODELS DIVERGE MORE NOTICEABLY ON SUNDAY WITH GFS AND CMC FLATTENING THE RIDGE WHILE THE ECMWF DEPICTS A HIGHER AMPLITUDE. DIFFERENCES ARE NOT THAT GREAT IN REALITY. DIFFERENCES ARE MAINLY ASSOCIATED WITH HOW THEY HANDLE AN UPSTREAM TROUGH. ANTICIPATE ADDITIONAL WARMING SUNDAY AS THE LOWER LEVELS REALIZE THE FULL SUBSIDENCE WARMING FROM ALOFT.

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.AVIATION...

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...

STRONGER WIND GUSTS DEVELOPING THIS AFTERNOON WILL BE THE PRIMARY AVIATION IMPACT WITH ONLY FEW-SCT MIDLEVEL DECKS BELOW AN INCREASING THICKER CIRRUS LAYER. AN EASTERLY SFC WIND THIS MORNING WILL SHIFT TOWARDS A SOUTHERLY CROSS RUNWAY COMPONENT LATE THIS MORNING. A FEW GUSTS TO 20KT MAY BE POSSIBLE WITH THIS CROSS WIND COMPONENT... BEFORE DIRECTIONS VEER MORE TOWARDS A SOUTHWEST DIRECTION BY MID AFTERNOON. CONFIDENCE IS VERY GOOD THAT GUSTS 25-30KT WILL BE LIKELY LATER THIS AFTERNOON.

EXPECT WINDS TO PERSIST WITH A WESTERLY COMPONENT PAST MIDNIGHT AND OVER MOST OF THE NIGHTTIME HOURS TONIGHT. ALSO...MAY SEE CONDITIONS APPROACHING LOW LEVEL WIND SHEAR CRITERIA AT THE TAF SITES... INCLUDING KPHX...AFTER 9PM AS SURFACE WINDS DECOUPLE A BIT AND 30 PLUS KNOTS REMAIN FROM THE SOUTHWEST NEAR 2K FEET. FINALLY...WE MAY SEE SCT-BKN DECKS 6-8K FEET DEVELOP AFTER 06Z AND PERSIST INTO TUE MORNING BUT DO NOT EXPECT CIGS TO FALL AS LOW AS 5K AT PHOENIX OVERNIGHT.

SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH... VERY STRONG AND GUSTY WINDS ALONG WITH BLOWING DUST WILL BE THE MAIN AVIATION IMPACTS THIS AFTERNOON. LIGHT VARIABLE TO SOUTHWEST WINDS WILL INCREASE AND BECOME STRONGER WITH OCCASIONAL GUSTS LATER THIS MORNING...WITH VERY STRONG GUSTS DEVELOPING BY EARLY AFTERNOON. CONFIDENCE IS VERY GOOD THAT FREQUENT SOUTHWEST GUSTS 30-40KT ALONG WITH BLOWING DUST OCCASIONALLY REDUCING VSBY INTO A MVFR CATEGORY WILL IMPACT TERMINAL SITES LATER THIS AFTERNOON. AFTER 03Z EXPECT PERSISTENT GUSTY SOUTHWEST WINDS NEAR 20KT AT THE TAF SITES CONTINUING WELL PAST MIDNIGHT.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.



&&

.FIRE WEATHER...

WEDNESDAY THROUGH SUNDAY...A DEEP LOW PRESSURE SYSTEM WILL CONTINUE TO AFFECT THE REGION WEDNESDAY THROUGH FRIDAY...WITH SLIGHT CHANCES OF SHOWERS MAINLY OVER THE HIGHER TERRAIN WELL EAST OF PHOENIX ON WEDNESDAY WITH DRIER CONDITIONS FOLLOWING. LESS WIND IS EXPECTED BY WEDNESDAY ALTHOUGH IT WILL BE BREEZY AT TIMES DURING THE AFTERNOON THURSDAY AND FRIDAY OVER SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA. MUCH COOLER HIGH TEMPERATURES WILL PERSIST WEDNESDAY WITH READINGS STAYING BELOW NORMAL UNTIL FRIDAY WHEN HIGHS WILL WARM INTO THE 80S OVER THE LOWER DESERTS. HUMIDITIES WILL STAY SOMEWHAT ELEVATED ON WEDNESDAY WITH READINGS MOSTLY 15 TO 25 PERCENT...WITH GRADUAL DRYING INTO FRIDAY. BY FRIDAY MANY LOWER DESERTS WILL FALL TO AROUND 10 PERCENT MINIMUM HUMIDITY. HIGH PRESSURE WILL GRADUALLY SETTLE BACK INTO THE REGION OVER THE WEEKEND WITH WARMING TEMPERATURES AND CONTINUED RELATIVELY DRY CONDITIONS.

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.SPOTTER INFORMATION STATEMENT...  
SPOTTER ACTIVATION IS NOT EXPECTED.

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.PSR WATCHES/WARNINGS/ADVISORIES...  
AZ...WIND ADVISORY UNTIL 10 PM MST THIS EVENING FOR AZZ020-021.  
CA...WIND ADVISORY UNTIL 10 PM PDT THIS EVENING FOR CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...HIRSCH  
PREVIOUS DISCUSSION...AJ  
AVIATION...CB/MO  
FIRE WEATHER...CB/KUHLMAN/MEYERS

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FXUS66 KSGX 282101  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
201 PM PDT MON MAR 28 2016

.SYNOPSIS...

COOL AND CLOUDY SKIES WITH SCATTERED LIGHT SHOWERS AND DRIZZLE OVER AND WEST OF THE MOUNTAINS INTO WEDNESDAY. WINDS WILL BE VERY STRONG OVER THE DESERT MOUNTAIN SLOPES AND DESERTS THIS EVENING. WINDS MAY BE LOCALLY DAMAGING...AND WILL PRODUCE AREAS OF BLOWING DUST AND SAND OVER THE DESERTS. QUIETER WEATHER AND A WARMING TREND WILL DEVELOP THURSDAY AND CONTINUE INTO THE WEEKEND.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

AT 200 PM...A BROAD TROUGH WAS DIGGING DOWN THE WEST COAST. WV IMAGERY CLEARLY INDICATED A STRONG UPPER LEVEL JET NOSING INTO CENTRAL CA. OVER SOUTHERN CA...VISIBLE SATELLITE IMAGERY SHOWED MOSTLY CLOUDY SKIES OVER AND WEST OF THE MOUNTAINS. A FEW SHOWERS CONTINUE THIS AFTERNOON...WITH THE SHOWER ACTIVITY FOCUSED ALONG THE COASTAL SLOPES OF THE SAN BERNARDINO COUNTY MOUNTAINS. SURFACE WINDS CONTINUE TO INCREASE WITH GUSTS IN THE 35 TO 45 MPH RANGE OVER THE DESERTS AND 45 TO 60 MPH RANGE ALONG THE DESERT MOUNTAIN SLOPES EARLY THIS AFTERNOON.

THIS EVENING INTO WEDNESDAY...WINDS WILL CONTINUE TO INCREASE OVER THE DESERT MOUNTAIN SLOPES AND DESERTS. THE STRONG UPPER JET CURRENTLY OVER CENTRAL CA WILL ARRIVE IN SOUTHERN CA THIS EVENING. IN RESPONSE...A STRONG SURFACE LOW WILL DEVELOP OVER SOUTHERN NV...STRENGTHENING THE SAN-LAS GRADIENT TO 11-14 MB ONSHORE THIS EVENING. WHEN COMBINED WITH A DEVELOPING INVERSION JUST ABOVE MOUNTAIN TOP LEVEL AND THE ARRIVAL OF A 700 MB JET MAX NEAR 50 KT...VERY STRONG MOUNTAIN WAVE ACTIVITY IS EXPECTED TO DEVELOP THIS EVENING. WHERE THE WAVE ACTIVITY SURFACES ALONG THE DESERT MOUNTAIN SLOPES AND OVER THE DESERTS...GUSTS OF 60 TO 80 MPH ARE POSSIBLE THIS EVENING AND OVERNIGHT. WINDS WILL DECREASE SLOWLY DURING THE DAY ON TUESDAY. WIDELY SCATTERED LIGHT SHOWERS AND DRIZZLE WILL CONTINUE OVER AND WEST OF THE MOUNTAINS THROUGH WEDNESDAY...WITH THE BEST PRECIPITATION CHANCES ALONG THE COASTAL MOUNTAIN SLOPES. THROUGH WEDNESDAY ADDITIONAL RAINFALL ACCUMULATIONS OF 0.01 TO 0.30 INCHES ARE EXPECTED OVER THE COAST AND VALLEYS...WITH LOCAL AMOUNTS UP TO 1.00 INCH ALONG THE COASTAL SLOPES. THE SNOW LEVEL WILL DIP TO 4500 TO 5000 FT ON LATE TUESDAY INTO WEDNESDAY MORNING...WITH A COUPLE INCHES OF SNOW POSSIBLE ABOVE 4500 FT.

THURSDAY INTO THE WEEKEND...THERE MAY BE A FEW LINGERING SHOWERS OVER THE MOUNTAINS THRU SDAY. OTHERWISE THE DEVELOPMENT OF UPPER-LEVEL RIDGING ALONG THE WEST COAST WILL PRODUCE A WARMING AND DRYING TREND FOR THE END OF THE WEEK AND WEEKEND.

&&

.AVIATION...

282010...COAST/VALLEYS/COASTAL MTN SLOPES...THROUGH TUESDAY MORNING...OVC-BKN CLOUD DECKS WITHIN THE 2000-8000 FT MSL LAYER...WITH ISOL DZ/-SHRA...MTN OBSCURATION OF SLOPES ABOVE 2000 FT MSL DUE TO CLOUDS/FOG/SHRA/SHSN...AND LOCAL VIS/BASES OF 2-5 SM/800-1000 FT MSL. W TO NW WINDS GUSTING 25-30 KT WILL BE POSSIBLE AT KSAN...KCRQ AND KSNA AT TIMES TODAY.

MTN RIDGES/DESERT MTN SLOPES/DESERTS...THROUGH TUESDAY MORNING...BKN-SCT CLOUD DECKS IN THE 2000-8000 FT MSL LAYER OVER RIDGES AND DESERT SLOPES WITH ISOL DZ/-SHRA...LOCAL VIS AOB 2 SM DUE TO FOG/SHRA/SHSN...WITH MAINLY SCT-FEW CLOUDS 3000-8000 FT MSL OVER THE DESERTS. SW TO W WINDS 15-20 KT GUSTING TO 35 KT THIS MORNING INCREASING TO 25-40 KT WITH GUSTS 50-60 KT BY 29/0000 UTC...RESULTING IN STG-SVR UDDFS/LLWS/ROTORS OVER AND E OR NE OF THE MTNS. BLOWING DUST/SAND IN THE DESERTS COULD REDUCE VIS TO AOB 1 SM. ALSO...STRONG NW SFC WIND GUSTS OF 30-40 KT WILL BE POSSIBLE AT KPSP AND KTRM THROUGH MOST OF THE DAY.

&&

.MARINE...

110 PM...AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL PRODUCE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED STEEP SEAS REACHING NEAR OR ABOVE 10 FEET THROUGH MOST OF TUESDAY. A SMALL CRAFT ADVISORY IS IN EFFECT. SEE LAXMWWSGX FOR MORE DETAILS. CONDITIONS WILL IMPROVE LATE TUESDAY NIGHT THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING UNTIL 3 AM PDT TUESDAY FOR APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY DESERTS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

[March 28, 2016 Exceptional Event, Imperial County](#)[Appendix A Supplemental](#)

WIND ADVISORY UNTIL 9 PM PDT THIS EVENING FOR ORANGE COUNTY COASTAL AREAS.

PZ...SMALL CRAFT ADVISORY UNTIL 11 PM PDT TUESDAY FOR WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING 30 TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

SMALL CRAFT ADVISORY UNTIL 11 AM PDT TUESDAY FOR COASTAL WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT TO 30 NM.

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PUBLIC...ALBRIGHT  
AVIATION/MARINE...HARRISON

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☐ YouTube

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WWUS75 KPSR 282102

NPWPSR

URGENT - WEATHER MESSAGE

NATIONAL WEATHER SERVICE PHOENIX AZ

202 PM MST MON MAR 28 2016

...WINDY CONDITIONS MONDAY AFTERNOON AND EVENING ACROSS SOUTHEAST CALIFORNIA AND WESTERN ARIZONA...

AZZ020-021-CAZ030>033-290500-

/O.CON.KPSR.WI.Y.0005.000000T0000Z-160329T0500Z/

LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-

JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-

RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-

INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...

QUARTZSITE...SALOME...COTTONWOOD VISITOR CENTER...KEYS VIEW...

LOST HORSE...BLYTHE...CHIRIACO SUMMIT...DESERT CENTER...

EAGLE MOUNTAIN...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...

IMPERIAL...THE SALTON SEA

202 PM MST MON MAR 28 2016 /202 PM PDT MON MAR 28 2016/

...WIND ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST /10 PM PDT/  
THIS EVENING...

\* AFFECTED AREA...SOUTHEAST CALIFORNIA INCLUDING JOSHUA TREE NATIONAL PARK AS WELL AS INTERSTATE 8 AND 10 THROUGH THE CITIES OF EL CENTRO AND BLYTHE. WEST CENTRAL ARIZONA INCLUDING HIGHWAYS 95 AND 72 THROUGH THE CITIES OF QUARTZSITE AND PARKER.

\* TIMING...STRONG WINDS BEGINNING THIS AFTERNOON AND CONTINUING INTO THE EVENING HOURS.

\* WINDS...SOUTHWEST WINDS AROUND 30 MPH WITH FREQUENT GUSTS TO 45 MPH.

\* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND MAY LEAD TO SIGNIFICANTLY LOWERED VISIBILITIES FURTHER EXACERBATING DANGEROUS DRIVING CONDITIONS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN 30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND

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PNSSGX  
CAZ043-048-050-055>058-060>062-065-552-554-291044-

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
344 PM PDT MON MAR 28 2016

...PEAK WIND GUSTS SO FAR TODAY...

LOCATION	SPEED	TIME/DATE
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...COACHELLA VALLEY...

THERMAL AIRPORT	43 MPH	0316 PM 03/28
PALM DESERT (5 S)	42 MPH	1230 PM 03/28
COACHELLA	41 MPH	0201 PM 03/28
SKY VALLEY	41 MPH	0328 PM 03/28

...SAN BERNARDINO COUNTY MOUNTAINS...

BURNS CANYON	49 MPH	0151 PM 03/28
HEAPS PEAK	49 MPH	0115 PM 03/28
WRIGHTWOOD	46 MPH	0223 PM 03/28
BIG BEAR CITY (2 SE)	43 MPH	0240 PM 03/28

...SAN DIEGO COUNTY DESERTS...

OCOTILLO WELLS	53 MPH	0323 PM 03/28
IN KO PAH	47 MPH	0300 PM 03/28
BORREGO SPRINGS	44 MPH	0135 PM 03/28
BORREGO SPRINGS (2 E)	41 MPH	0130 PM 03/28

...SAN DIEGO COUNTY MOUNTAINS...

VOLCAN MOUNTAIN	73 MPH	0300 PM 03/28
HARRISON PARK	63 MPH	0310 PM 03/28
JULIAN (2 SE)	53 MPH	0244 PM 03/28
LUCKY FIVE RANCH	52 MPH	0220 PM 03/28
BOULEVARD WEST	51 MPH	0310 PM 03/28
CRESTWOOD	50 MPH	0310 PM 03/28
RANCHITA (RAWS)	50 MPH	0207 PM 03/28
EAST WARNERS	49 MPH	0120 PM 03/28
RANCHITA	48 MPH	0210 PM 03/28
LAKE CUYAMACA	45 MPH	0120 PM 03/28
PALOMAR MTN (HIGH POINT LOOK	44 MPH	0234 PM 03/28
JULIAN	43 MPH	1200 PM 03/28
LA POSTA	41 MPH	1120 AM 03/28

...SAN GORGONIO PASS NEAR BANNING...

WHITewater RAWS	60 MPH	0250 PM 03/28
WHITE WATER (2 S)	54 MPH	0210 PM 03/28
SKY VALLEY (1 W)	48 MPH	0323 PM 03/28

...VICTOR VALLEY - APPLE VALLEY - LUCERNE VALLEY - JOHNSON VALLEY...

LUCERNE VALLEY	56 MPH	0320 PM 03/28
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APPLE VALLEY 2	47 MPH	0250 PM 03/28
VICTORVILLE AIRPORT	46 MPH	0250 PM 03/28
PINON HILLS	44 MPH	0308 PM 03/28
HESPERIA (2 E)	43 MPH	1240 PM 03/28
MOUNTAIN VIEW ACRES (3 W)	42 MPH	0142 PM 03/28
HESPERIA (4 SW)	42 MPH	0317 PM 03/28
VICTORVILLE (5 N)	41 MPH	0200 PM 03/28

OBSERVATIONS ARE COLLECTED FROM A VARIETY OF SOURCES WITH VARYING EQUIPMENT AND EXPOSURE. NOT ALL DATA LISTED ARE CONSIDERED OFFICIAL.

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MOEDE  
NWS SAN DIEGO CA

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WWUS75 KPSR 282312

NPWPSR

URGENT - WEATHER MESSAGE

NATIONAL WEATHER SERVICE PHOENIX AZ

412 PM MST MON MAR 28 2016

...WINDY CONDITIONS THIS AFTERNOON AND EVENING ACROSS SOUTHEAST CALIFORNIA AND WESTERN ARIZONA...

...OCCASIONAL DENSE BLOWING DUST IN SOUTHWEST IMPERIAL COUNTY ALONG INTERSTATE 8...

CAZ033-290500-

/O.NEW.KPSR.DU.Y.0004.160328T2312Z-160329T0200Z/

/O.CON.KPSR.WI.Y.0005.000000T0000Z-160329T0500Z/

IMPERIAL COUNTY-

INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...

GLAMIS...IMPERIAL...THE SALTON SEA

412 PM PDT MON MAR 28 2016

...BLOWING DUST ADVISORY IN EFFECT UNTIL 7 PM PDT THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 10 PM PDT THIS EVENING...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A BLOWING DUST ADVISORY...WHICH IS IN EFFECT UNTIL 7 PM PDT THIS EVENING.

\* AFFECTED AREA...SOUTHEAST CALIFORNIA ALONG INTERSTATE 8 THROUGH THE CITIES OF EL CENTRO.

\* TIMING...STRONG WINDS CONTINUING THROUGH THIS EVENING.

\* WINDS...SOUTHWEST WINDS AROUND 30 MPH WITH FREQUENT GUSTS TO 45 MPH.

\* VISIBILITY...FALLING BELOW 1 MILE AT TIMES WEST OF EL CENTRO ALONG INTERSTATE 8.

\* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND MAY LEAD TO SIGNIFICANTLY LOWERED VISIBILITIES FURTHER EXACERBATING DANGEROUS DRIVING CONDITIONS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN



30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND 58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA CAUTION.

BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR FOOT OFF THE BRAKE PEDAL.

REMEMBER...PULL ASIDE...STAY ALIVE.

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AZZ020-021-CAZ030>032-290500-  
/O.CON.KPSR.WI.Y.0005.000000T0000Z-160329T0500Z/  
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-  
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-  
RIVERSIDE COUNTY/EASTERN DESERTS-  
INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...  
QUARTZSITE...SALOME...COTTONWOOD VISITOR CENTER...KEYS VIEW...  
LOST HORSE...BLYTHE...CHIRIACO SUMMIT...DESERT CENTER...  
EAGLE MOUNTAIN  
412 PM MST MON MAR 28 2016 /412 PM PDT MON MAR 28 2016/

...WIND ADVISORY REMAINS IN EFFECT UNTIL 10 PM MST /10 PM PDT/  
THIS EVENING...

\* AFFECTED AREA...SOUTHEAST CALIFORNIA INCLUDING JOSHUA TREE NATIONAL PARK AS WELL AS INTERSTATE 10 THROUGH THE CITY OF BLYTHE. WEST CENTRAL ARIZONA INCLUDING HIGHWAYS 95 AND 72 THROUGH THE CITIES OF QUARTZSITE AND PARKER.

\* TIMING...STRONG WINDS CONTINUING THROUGH THIS EVENING.

\* WINDS...SOUTHWEST WINDS AROUND 30 MPH WITH FREQUENT GUSTS TO 45 MPH.

\* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND MAY LEAD TO SIGNIFICANTLY LOWERED VISIBILITIES FURTHER EXACERBATING DANGEROUS DRIVING CONDITIONS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

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272  
FXUS66 KSGX 270403  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
903 PM PDT SAT MAR 26 2016

.SYNOPSIS...

FAIR AND MILD THROUGH SUNDAY WITH AREAS OF NIGHT AND MORNING LOW CLOUDS AND FOG WEST OF THE MOUNTAINS. AN APPROACHING LOW PRESSURE SYSTEM FROM THE NORTH WILL BRING INCREASING ONSHORE FLOW AND A DEEPENING MARINE LAYER ON MONDAY. SOME DRIZZLE AND LIGHT SHOWERS WILL BE POSSIBLE FROM THE DEEPENING MARINE LAYER ON MONDAY...WITH A BETTER CHANCE OF SCATTERED...MAINLY LIGHT SHOWERS AT TIMES ALONG AND WEST OF THE MOUNTAINS THROUGH MIDWEEK. STRONG WESTERLY WINDS WILL DEVELOP OVER THE COASTAL WATERS...MOUNTAINS...AND INTO THE DESERTS LATE MONDAY INTO TUESDAY. MUCH COOLER AFTER SUNDAY. WARMER BY THE END OF NEXT WEEK.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

SOME HAZE HAS BEEN NOTED THIS EVENING ALONG THE COAST AND WESTERN VALLEYS DUE TO THE MARINE LAYER INTRUSION...ALTHOUGH ANY VISIBILITY RESTRICTIONS ARE SLIGHT. ADDITIONAL LATE NIGHT AND EARLY MORNING FOG WILL BE POSSIBLE IN THESE SAME AREAS LATE TONIGHT AND EARLY SUNDAY MORNING...AS THE MARINE LAYER MAKES A MODEST PENETRATION OVERNIGHT. THE ONSHORE FLOW WILL BEGIN TO STRENGTHEN ON SUNDAY AS A BROAD UPPER LEVEL TROUGH APPROACHES CALIFORNIA FROM THE NORTH. THIS WILL BRING A COOLDOWN STARTING SUNDAY BUT REALLY BECOMING NOTICEABLE ON MONDAY...WITH TEMPERATURES A FEW DEGREES BELOW NORMAL. CLOUD COVER SUNDAY NIGHT INTO MONDAY MORNING WILL COVER MOST OF THE VALLEYS DUE TO A DEEPER MARINE LAYER. SOME DRIZZLE AND LIGHT RAIN COULD OCCUR LATE SUNDAY NIGHT AND EARLY MONDAY MORNING AS WELL.

NO SIGNIFICANT CHANGES WERE MADE TO THE FORECASTS THIS EVENING AS THE CURRENT FORECAST IS ON TRACK.

...PREVIOUS FORECAST DISCUSSION ISSUED AT 107 PM...

SKIES WERE CLEAR ACROSS THE CWA THIS EARLY THIS AFTERNOON. AT NOON PDT...THE SFC PRESSURE GRADIENT WAS ONSHORE 2 MBS KSN TO THE LOWER DESERTS...BUT OFFSHORE 5 MBS FROM SW NV. THE NE WINDS HAD SURFACED BY MID TO LATE MORNING IN OFFSHORE WIND-PRONE AREAS OF THE FOOTHILLS. STRONGEST WERE 15 TO 20 MPH WITH GUSTS 30 TO LOCALLY 40 MPH.

AN EDDY WAS RESPONSIBLE FOR THE LOW CLOUD DEVELOPMENT AND RETURN OF

## March 28, 2016 Exceptional Event, Imperial County

## Appendix A Supplemental

LOW-LEVEL MARINE AIR TO COASTAL SAN DIEGO COUNTY EARLIER TODAY. HOWEVER ELSEWHERE...SKIES WERE CLEAR. GUSTY NE WINDS BELOW THE PASSES AND CANYONS WILL WEAKEN THROUGH THE AFTERNOON/EVENING. THE EDDY WILL STRENGTHEN AND SEND ANOTHER LAYER OF MARINE CLOUDS OVER COASTAL AND WESTERN VALLEY AREAS OVERNIGHT.

FOR SUNDAY...THE MARINE CLOUDS MAY BE MORE UNIFORM ALONG THE COASTAL STRIP...EXTENDING INTO ORANGE COUNTY. AFTER BURN-OFF...SKIES SHOULD BE FAIR...AND IT WILL BE SLIGHTLY COOLER ALL AREAS AS ONSHORE FLOW BEGINS TO INCREASE AND HUMIDITY SPREADS FARTHER INLAND.

THE EDDY WILL STRENGTHEN SUN NIGHT AS ONSHORE GRADIENTS RAMP FURTHER AHEAD OF THE LOW PRESSURE AREA DROPPING SOUTH OVER OREGON. THIS WILL SPREAD THE MARINE CLOUDS/FOG WELL INLAND BY MON MORNING. THE DEEPENING MOIST LAYER MAY LEAK SOME DRIZZLE AT TIMES...AND AS IT CLIMBS ONTO THE COASTAL SLOPES LATER IN THE DAY...A FEW LIGHT RAIN SHOWERS. BUT THE MAIN CONCERN WILL TURN TO WIND LATER MONDAY. DEPENDING ON THE MODEL...THE SURFACE GRADIENT FROM KSN TO KLAS COULD BE ANYWHERE FROM 16 TO ALMOST 20 MBS BY MON AFTERNOON. THIS... COUPLED WITH INCREASING WINDS ALOFT...SHOULD PUSH WIND GUSTS ON THE RIDGES AND DESERT SLOPES ABOVE 60 MPH. POSSIBLE MOUNTAIN WAVE ACTIVITY COULD MIX SOME OF THOSE STRONGER WINDS TO THE DESERT FLOOR MON EVENING. A HIGH WIND WATCH HAS BEEN POSTED FOR THE MTS/DESERTS.

THE 12Z ECMWF/GFS SOLUTIONS ARE CLOSE ON THE STRENGTH AND PLACEMENT OF THE UPPER LOW THROUGH 72 HOURS. THE UPPER LOW TRACKS OVER NV THROUGH TUE...THEN THERE IS SOME DIVERGENCE...BUT BOTH MODELS LEAVE SOME TROUGHING BACK OVER THE SW THROUGH THU. THIS PERSISTENT TROUGH WITH THE COOL AIR ALOFT AND RESIDUAL MOISTURE KEEPS THE THREAT OF LIGHT PRECIP OVER THE REGION UNTIL THE TROUGH AXIS DROPS SOUTH THU NIGHT.

OVERALL...PRECIP AMOUNTS LOOK VERY LIGHT. AS A MATTER OF FACT...THE LATEST GFS RUN HAS NONE AT ALL. SO EVEN AFTER SEVERAL DAYS OF POTENTIAL SCATTERED SHOWER ACTIVITY...TOTAL PRECIP AMOUNTS ARE EXPECTED TO REMAIN UNDER ONE INCH IN THE WETTEST SPOTS...WITH TOTALS UNDER ONE-HALF INCH MORE LIKELY MOST AREAS. THE DESERTS MAY NOT SEE ANY RAIN AT ALL.

DRY AND WARMER FRI THROUGH NEXT WEEKEND AS WE MOVE INTO THE MONTH OF APRIL. BEYOND NEXT WEEKEND...CONFIDENCE DWINDLES AS THE MODEL SOLUTIONS BEGIN TO DISPLAY A WIDE DIVERGE.

&&

.AVIATION...

270400Z...COAST/VALLEYS...AREAS OF COASTAL STRATUS WITH BASES 1000-1500 FT MSL WITH TOPS TO 2000 FT MSL WILL DEVELOP 05Z-08Z...WITH BKN/OVC CIGS LIKELY REACHING KSN AND KCRQ BY 08Z. CONFIDENCE OF TIMING IS LOWER FOR KSN...WITH ARRIVAL POSSIBLE BY 12Z SUN. MOST OF THE STRATUS WILL STAY WITHIN 20-25 MI OF THE COAST. LOCAL VIS BELOW 3 MI COULD OCCUR IN SOME VALLEYS 09Z-16Z...MAINLY VCNTY KRN AND KAJO. MOST AREAS WILL CLEAR BY 17-18Z SUN.

MTNS/DESERTS...MOSTLY CLEAR WITH UNRESTRICTED VIS THROUGH SUNDAY.

&&

.MARINE...

900 PM...NO HAZARDOUS MARINE WEATHER CONDITIONS ARE EXPECTED THROUGH MONDAY MORNING. AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO THE GREAT BASIN WILL BRING STRENGTHENING ONSHORE FLOW EARLY NEXT WEEK. THIS WILL CREATE WEST TO NORTHWEST WINDS GUSTING TO 25-30 KT AND COMBINED SHORT-PERIOD SEAS REACHING 10 FEET MONDAY AFTERNOON THROUGH EARLY WEDNESDAY. THESE CONDITIONS WOULD BE HAZARDOUS TO SMALL CRAFT.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WATCH FROM MONDAY AFTERNOON THROUGH LATE MONDAY NIGHT FOR APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY DESERTS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

PZ...NONE.

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PUBLIC...JMB/JAD

AVIATION/MARINE...MAXWELL

# IOWA STATE UNIVERSITY

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FXUS66 KSGX 290431  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
931 PM PDT MON MAR 28 2016

.SYNOPSIS...

HIGH WINDS WILL CONTINUE ALONG THE RIDGE TOPS AND DESERT SLOPES THIS EVENING. BLOWING SAND WITH SHARP RESTRICTIONS IN VISIBILITY WILL OCCUR AT LOCALIZED DESERT LOCALES TONIGHT. OTHERWISE...THE WEATHER WILL CONTINUE TO BE COOL AND MOSTLY CLOUDY WITH SCATTERED LIGHT SHOWERS AND DRIZZLE OVER AND WEST OF THE MOUNTAINS INTO WEDNESDAY. QUIETER WEATHER AND A WARMING TREND WILL DEVELOP THURSDAY AND CONTINUE INTO THE WEEKEND.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

THE MOST IMPACTFUL WEATHER TODAY OCCURRED IN THE LUCERNE VALLEY WHERE HIGH WINDS PRODUCED A DUST STORM ALONG HWY 247 JUST NORTH OF RABBIT SPRINGS ROAD WHERE BLINDING VISIBILITY TO NEAR ZERO RESULTED IN A MULTI-VEHICLE WRECK WITH SOME 20 TO 25 INJURIES...PROVING JUST HOW DANGEROUS HIGH WINDS CAN BE FROM A VISIBILITY/DRIVING STAND POINT.

HI-RES MODEL GUIDANCE...WHICH HAS HANDLED THIS HIGH WIND EVENT RATHER WELL...SHOWS WINDS PEAKING NOW (MID EVENING) WITH GRADUALLY LOWERING SPEEDS THROUGHOUT THE NIGHT. LOCAL EFFECTS THOUGH COULD LEAD TO WINDS PEAKING LATER IN SPOTS.

THE WIND ADVISORY WAS ALLOWED TO EXPIRE FOR ORANGE COUNTY AT 9 PM. WINDS THERE ARE ONLY AVERAGING 10 MPH WITH A FEW GUSTS TO AROUND 25 MPH ALONG THE COAST.

THE HIGH WIND WARNING REMAINS IN EFFECT FOR THE MOUNTAINS AND DESERT SLOPES EFFECTIVE THROUGH 3 AM TUE.

RAIN AMOUNTS HAVE ONLY AVERAGED A FEW HUNDREDTHS OF AN INCH...WITH THE EXCEPTION OF A FEW LOCALES IN THE SAN BERNARDINO MOUNTAINS/COASTAL SLOPES RECEIVING A QUARTER TO ALMOST HALF AN INCH OF RAIN.

...PREVIOUS DISCUSSION...ISSUED AT 201 PM...

WINDS WILL DECREASE SLOWLY DURING THE DAY ON TUESDAY. WIDELY SCATTERED LIGHT SHOWERS AND DRIZZLE WILL CONTINUE OVER AND WEST OF THE MOUNTAINS THROUGH WEDNESDAY...WITH THE BEST PRECIPITATION

## March 28, 2016 Exceptional Event, Imperial County

## Appendix A Supplemental

CHANCES ALONG THE COASTAL MOUNTAIN SLOPES. THROUGH WEDNESDAY  
ADDITIONAL RAINFALL ACCUMULATIONS OF 0.01 TO 0.30 INCHES ARE  
EXPECTED OVER THE COAST AND VALLEYS...WITH LOCAL AMOUNTS UP TO 1.00  
INCH ALONG THE COASTAL SLOPES. THE SNOW LEVEL WILL DIP TO 4500 TO  
5000 FT ON LATE TUESDAY INTO WEDNESDAY MORNING...WITH A COUPLE  
INCHES OF SNOW POSSIBLE ABOVE 4500 FT.

THURSDAY INTO THE WEEKEND...THERE MAY BE A FEW LINGERING  
SHOWERS OVER THE MOUNTAINS THURSDAY. OTHERWISE THE DEVELOPMENT OF  
UPPER-LEVEL RIDGING ALONG THE WEST COAST WILL PRODUCE A WARMING AND  
DRYING TREND FOR THE END OF THE WEEK AND WEEKEND.

&&

.AVIATION...

290400Z...COAST/VALLEYS/COASTAL MTN SLOPES...THROUGH  
TUESDAY MORNING...OVC-BKN CLOUD DECKS WITHIN THE 2000-8000 FT MSL  
LAYER...WITH ISOL DZ/-SHRA...MTN OBSCURATION OF SLOPES ABOVE 2000 FT  
MSL DUE TO CLOUDS/FOG/SHRA/SHSN...AND LOCAL VIS/BASES OF 2-5 SM/800-  
1000 FT MSL. W TO NW WINDS GUSTING 20-25 KT WILL BE POSSIBLE AT  
KSAN...KCRQ AND KSNA AT TIMES TONIGHT.

MTN RIDGES/DESERT MTN SLOPES/DESERTS...THROUGH TUESDAY MORNING...BKN-  
SCT CLOUD DECKS IN THE 2000-8000 FT MSL LAYER OVER RIDGES AND DESERT  
SLOPES WITH ISOL DZ/-SHRA...LOCAL VIS AOB 2 SM DUE TO  
FOG/SHRA/SHSN...WITH MAINLY SCT-FEW CLOUDS 3000-8000 FT MSL OVER THE  
DESERTS. SW TO W WINDS 25-40 KT WITH GUSTS 50-60 KT RESULTING IN STG-  
SVR UDDFS/LLWS/ROTORS OVER AND E OR NE OF THE MTNS. BLOWING  
DUST/SAND IN THE DESERTS COULD REDUCE VIS TO AOB 1 SM.  
ALSO...STRONG NW SFC WIND GUSTS OF 30-40 KT WILL BE POSSIBLE AT KPSP  
AND KTRM THROUGH TUESDAY.

&&

.MARINE...

900 PM...AN UPPER-LEVEL LOW PRESSURE SYSTEM MOVING INTO  
THE GREAT BASIN WILL PRODUCE WEST TO NORTHWEST WINDS GUSTING TO 25-  
30 KT AND COMBINED STEEP SEAS REACHING NEAR OR ABOVE 10 FEET THROUGH  
MOST OF TUESDAY. A SMALL CRAFT ADVISORY IS IN EFFECT. SEE LAXMWSGX  
FOR MORE DETAILS. CONDITIONS WILL IMPROVE FROM LATE TUESDAY NIGHT  
THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE  
ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING UNTIL 3 AM PDT TUESDAY FOR APPLE AND LUCERNE  
VALLEYS-COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-SAN

**March 28, 2016 Exceptional Event, Imperial County**

BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY DESERTS-SAN  
DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

PZ...SMALL CRAFT ADVISORY UNTIL 11 PM PDT TUESDAY FOR WATERS FROM SAN  
MATEO POINT TO THE MEXICAN BORDER EXTENDING 30 TO 60 NM OUT  
INCLUDING SAN CLEMENTE ISLAND.

SMALL CRAFT ADVISORY UNTIL 11 AM PDT TUESDAY FOR COASTAL WATERS  
FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT TO 30 NM.

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PUBLIC...GREGORIA/JAD

AVIATION/MARINE...BROTHERTON

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